First Nations Water Rights in British Columbia

A Historical Summary of the rights of the Alkali Lake First Nation

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FIRST NATIONS WATER RIGHTS IN BRITISH COLUMBIA:

A Historical Summary of the rights of the Alkali Lake First Nation

Research and writing by:	Jubie Steinhauer
Edit by:	Miranda Griffith
Review by:	Gary W. Robinson
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Gary Robinson
Project Manager
Water Management Branch

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4 PERMIT UNDER THE WATER ACT AUTHORIZING THE OCCUPATION OF CROWN LAND Permit No. 3864, 4717, 13852, 15238, 15241, 16922 and 20165.

5 STREAM REGISTER REPORTS Alixton Creek, Alkali Creek, Garden Spring, Joes Creek, Kirkpatrick Creek, Nesting Brook, Patrick Creek and Vert Lake.

6 WATER SURVEY OF CANADA RECORDS (Fraser River).

7 COPY OF ABANDONMENT REQUEST ON HARPER (VERT) LAKE FILED BY THE INDIAN COMMISSIONER.

8 COPY OF THE DATA SUMMARY OF GROUNDWATER RECORDS IN THE ALKALI LAKE AREA.

9 MAP: Alkali Lake Reserves and area.

FIRST NATIONS WATER RIGHTS REPORT

BAND: Alkali Lake (also known as Esketemc First Nation)

ADDRESS: P. O. Box 4479, Williams Lake, B. C., V2G 2V5

CHIEF: William Chelsea

PHONE: 440-5611 **FAX:** 440-5721

AFFILIATION: Cariboo

LOCATION:

The Alkali Lake Band occupy 19 reserves in the Alkali Lake area, located approximately 40 km south of Williams Lake. The reserves are:

Alixton 5
Alkali 1
Alkali 4A
Cludolicum 9
Cludolicum 9A
Isadore Harry 12
Johny Sticks 2
Little Springs 8
Little Springs 18
Loon Lake 10
Old Clemens 16
Pete Suckers 13
Roper's Meadow 14
Sampson's Meadow 11
Sampson's Meadow 11A
Sandy Harry 4
Swan Lake 3
Windy Mouth 7
Wycott's Flat 6

Of these reserves, Alixton 5, Alkali 1, Alkali 4A, Johny Sticks 2, Pete Suckers 13, Sandy Harry 4 and Wycott's Flat 6 have records of water allocations associated with them. The area the reserves occupy, and their relative locations are as follows:

- Alixton 5 - occupies 227.3 acres (92 hectares), approximately 10.5 km northeast of Alkali Lake. Alixton 5 is bordered to the south by Alixton Lake.
- Alkali 1 - occupies 596.5 acres (241.4 hectares) approximately 4 km northeast of Alkali Lake.
- Alkali 4A - occupies 322.5 acres (130.5 hectares) approximately 12.5 km northeast of Alkali Lake. Alkali 4A is bordered to the east by Sandy Harry No. 4.

- Johny Sticks 2 - occupies 800.1 acres (323.8 hectares) approximately 10 km northeast of Alkali Lake.

- Pete Suckers 13 - occupies 1400 acres (566.6 hectares) approximately 10.5 km east of Alkali Lake.

- Sandy Harry 4 - occupies 539.9 acres (218.5 hectares) approximately 12.5 km northeast of Alkali Lake. Sandy Harry 4 is bordered to the west by Alkali Lake No. 4A.

- Wycott's Flat 6 - occupies 1230 acres (497.8 hectares) approximately 15.5 km southwest of Alkali Lake.

The most recent population figures compiled by the Ministry of Finance report that the Alkali Lake Band has 377 persons living on-reserve as registered and non-registered members. Its total population, including registered and non-registered members, living on- and off-reserve, is 603.

Located on the Interior Plateau, the 19 reserves sit at elevations ranging from 1200 to 3300 feet above mean sea level, and experience a climate in which average daily temperatures range from a low of -10 degrees centigrade, in January, to highs of between 16 and 20 degrees centigrade, in July. Annual rainfall for the area averages less than 30 centimetres.

Water Courses of significance include:

- Alixton Creek - flows northwest and then west, entering Pete Suckers Reserve No. 13 in the southeast corner. The Creek flows through Alixton Reserve No. 5, entering the reserve in the southeast portion, passing through and draining into Alkali Creek.

- Alkali Creek - flows west, entering the southeast portion of Alkali Reserve No. 4A. The Creek flows through Alkali Reserve 4A, turns south, and enters the eastern portion of Alkali Lake Reserve No. 1. Alkali Creek flows through the reserve and drains into Alkali Lake.

- Garden Spring - located just north of the northwest border of Alkali Reserve No. 4A.

- Joe's Creek - flows southwest off of Patrick Creek, and drains into Joe Lake.

- Kirkpatrick Creek - flows southwest, passing through the southeast corner of Johny Sticks Reserve No. 2. After exiting Johny Sticks Reserve No. 2, the Creek converges with Alkali Creek.

- Nesting Brook - located in the western portion of Pete Suckers Reserve No. 13.

- Patrick Creek - flows northwest, entering the northern portion of Alkali Lake Reserve No. 1, and drains into Alkali Creek within the reserve's boundaries.

- Vert Lake - located approximately 9 km east of Wycott's Flat Reserve No. 6. The water from Vert Lake flows into the Fraser River just below the southern border of Wycott's Flat Reserve No. 6.

WATER ALLOCATIONS:

With respect to the Alkali Lake Band, there are no records of water allocations made by Order of the Board of Investigation. The water rights of the Band have been determined by four actions of government over the years:

1. Allotments by the Indian Reserve Commissioners:

   Following confederation, the Province and the Dominion established an Indian Reserve Commission. The Commission reserved lands for the Indians and facilitated the transfer of the land in question to Dominion title. In setting apart land for the reservations, the Commissioners made it their practice to allot water with the lands. The practice was unique among Indian Reserves in Canada and the authority of the Commissioners to allot water rights has always been disputed by the Province.

   An allocation granting fishing rights to the Alkali Lake Band was also made by the Indian Reserve Commission. The pertinent portion of the Minute of Decision (MOD) is visited within the "Other Information" section of this report.

2. Lieutenant Governor-in-Council approval, by Order-in-Council, granting water rights.

3. The granting of water licenses in response to Federal Government applications requesting authorization for the use of water on reserve lands.

4. Actions to amend licensed rights, pursuant to provisions in the Water *Act 1914*.

HISTORY, CURRENT STATUS AND NOTES:

The history of water rights, the current status of rights, and relevant notes for the Alkali Lake Band with respect to Alixton Creek, Alkali Creek, Garden Spring, Joe Creek and Lake, Kirkpatrick Creek, Nesting Brook, Patrick Creek and Vert Lake are as follows:

Alixton Creek

History:

April 27, 1982 In the Engineer's Report completed for the process of the license application for CL 60167, it was recommended that Alixton Creek be noted as fully recorded for all purposes. However, according to information found in file no. 0368458, files from 0368449 to 0368458 inclusive, including 0366340 and 0369326, are exempt from the "fully recorded" restriction.

April 19, 1983 The Alkali Lake Band entered into the "Alixton Project" with Ducks Unlimited (Canada). The project granted Ducks Unlimited authorization to construct dykes, ditches and works on Reserves No. 5 and 13. Additionally, Ducks Unlimited was authorized to manage and control water levels within a designated area and to inspect and repair all dykes, ditches and works as required.

Oct 17, 1983 In accordance with applications filed by the Alkali Lake Band for Ducks Unlimited, the Comptroller of Water Rights issued Conditional Water Licenses in support of the Alixton Project: Conditional Licenses 59290, 59289, 60165, 59294, 59293, 59292 and 59291. The agreement was set in effect for five years after the date of signing, and from year to year thereafter. The licenses all bear a date of precedence of April 28, 1981.

i) Conditional Water License 59289 authorizes the diversion and use of up to 18 acre feet of water per annum from Alixton Creek for irrigation purposes, and any additional quantity as the Engineer may from time to time determine should be allowed for losses. The license may be used between March 1st and June 15th, and the land upon which the license is appurtenant is Reserve No. 5, Alixton, Lillooet District, of which 16 acres may be irrigated.

ii) Conditional Water License 59290 authorizes the diversion and use of up to 11 acre feet of water per annum from Alixton Creek for irrigation purposes, and any additional quantities as the Engineer may from time to time determine should be allowed for losses. The license may be used between March 1st and June 15th, and the land upon which the license is appurtenant is Reserve No. 5, Alixton, Lillooet District, of which 8.4 acres may be irrigated.

iii) Conditional Water License 59291 authorizes the storage of 11 acre feet of water per annum on Alixton Creek for conservation purposes, and any additional quantity as the Engineer may from time to time determine should be allowed for losses. The period of the year during which the water may be stored is from October 1st to June 15th, and the license is appurtenant to the conservation undertaking of the licensee within Reserve No. 13 and unsurveyed Crown land, Lillooet District.

Accompanying this license is Permit No. 13852, authorizing the occupation of 5.3 acres of unsurveyed Crown Land, Lillooet District.

iv) Conditional Water License 59292 authorizes the diversion of 15 acre feet of water per annum from Alixton Creek for irrigation purposes, and any additional quantity as the Engineer may from time to time determine should be allowed for losses. The period of the year during which the water may be used is March 1st to June 15th, and the land upon which the license is appurtenant is Reserve No. 13, Lillooet District, of which 17 acres may be irrigated.

v) Conditional Water License 59293 authorizes the storage of 50 acre feet of water per annum on Alixton Creek for conservation purposes, and any additional quantity as the Engineer may from time to time determine should be allowed for losses. The period of the year during which the water may be stored is October 1st to June 15th, and the license is appurtenant to the conservation project of the licensee within Reserve No. 13, Lillooet District.

vi) Conditional Water License 59294 authorizes the diversion and use of up to 8 acre feet of water per annum from Alixton Creek for irrigation purposes and any additional quantity as the Engineer may from time to time determine should be allowed for losses. The period of the year which the water may be used is from March 1st to June 15th and the land upon which the license is appurtenant is Reserve No. 13, Lillooet District of which 4 acres may be irrigated.

Dec 11, 1985

i) In accordance with an application filed by the Alkali Lake Band for Ducks Unlimited, the Regional Water Manager issued Conditional Water License 60169, bearing a date of precedence of October 16, 1981 and authorizing the storage of up to 320 acre feet of water a year on Alixton Creek for conservation purposes. The period of the year during which the water may be stored is October 1st to June 30th and the reservoir is Alixton Lake. The land upon which the license is appurtenant to, is the conservation project of the licensee within Alixton Reserve No. 5 and unsurveyed Crown Land, all of Lillooet District.

Accompanying this license was Permit No. 15241 authorizing the flooding of 51 acres of unsurveyed Crown land, Lillooet District.

ii) In accordance with an application filed by the Alkali Lake Band for Ducks Unlimited, the Regional Water Manager at Williams Lake issued Conditional Water License 60165, bearing a date of precedence of April 28, 1981 and authorizing the storage of up to 227 acre feet of water per annum at Alixton Creek for conservation purposes. The water may be stored between October 1st through to June 15th, and the license is appurtenant to the conservation project of the licensees within Pete Suckers Reserve No. 13, Lots 264, 2554 and 2553, all of Lillooet District.

Accompanying this license was Permit No. 15238, authorizing the occupation of 40.35 acres for flooding, ditches and nesting island of Lots 2553 and 2554, Township 45, Lillooet District.

April 26, 1986

The Regional Water Manager at Williams Lake issued an Order to amend clause (e) of Conditional Water License 60169 to read:

The maximum quantity of water which may be stored is 320 acre feet per annum.

Mar 10, 1992

The Regional Water Manager at Williams Lake issued Permit No. 20165 authorizing the flooding of 18 acres of unsurveyed Crown Land, Lillooet District as authorized under Conditional Water License 60169. This Permit replaced Permit No. 15241.

Current Status:

There are currently 13 licenses active on Alixton Creek. Of these, 8 are held by the Alkali Lake Band with dates of precedence giving them third priority rights on the water source. The other 5 licenses active on Alixton Creek are held by Ducks Unlimited, with 3 water licenses ranging from 15 to 250 acre feet for conservation storage, 1 license issued for 180 acre feet for irrigation and 1 license for 150 acre feet for irrigation and 150 acre feet for non-power storage.

The Water Survey of Canada has no streamflow records for Alixton Creek; however, records on file indicate that Alixton Creek is fully recorded for all purposes.

Notes:

1. It appears that the agreement called the "Alixton Project" between the Alkali Lake Band and Ducks Unlimited is still active.

Alkali Creek

History:

July 15, 1881 — A Minute of Decision of the Indian Reserve Commission, described a 500 acre reserve situated on Alkali Lake Creek, Lillooet District. The Indian Reserve Commission allocated to the use of the Alkali Lake Band 100 inches (equivalent to 660 acre feet per 120 day irrigation season) of water from Alkali Creek.

Jan 9, 1891 — By Order, the Lieutenant Governor-in-Council authorized an application by Mr. Meason, Indian Agent, for several Water Records, for use of the Indians of the Williams Lake Indian Agency. One of the records applied for by the Indian Agent was,

> *"100 inches* of water from Alkali Lake Creek, to be diverted at the present ditch head."*

This record was not granted by the Lieutenant Governor-in-Council as the Assistant Commissioner noted that the water from Alkali Lake Creek was already recorded by white settlers.

* Note: The reference to an inch of water is understood to be a "miner's inch" of water. The Water Act of 1914 defined a miner's inch as being equal to a flow of .028 cubic feet per second. Calculating this rate of flow over a 120 day irrigation season converts to the equivalent 6.664 acre feet per miner's inch.

Mar 10, 1921 In accordance with an application filed by the Indian Agent, the following two licenses were issued:

i) Conditional Water License 5415, which was given a date of precedence of November 20, 1918 and authorized the diversion and use of up to 425 acre feet of water a year from Alkali Creek for irrigation purposes, of which quantity 15,000 gallons of water a day could be used throughout the year for domestic purpose. The period of the year during which the water could be used for irrigation purpose was from April 1st to September 30th and the land upon which the license was appurtenant was 170 acres of Reserve No. 1, Alkali Lake.

ii) Conditional Water License 5416, which was given a date of precedence of November 20, 1918 and authorized the storage of up to 425 acre feet of water on Alkali Creek, in support of Conditional Water License 5415. The period of the year during which the water could be stored was from October 1st to June 15th.

Feb 20, 1937

i) The Comptroller of Water Rights issued Final Water License 9848 in substitution of Conditional Water License 5415. This new license bears a date of precedence of November 20, 1918 and authorizes the diversion and use of up to 360 acre feet of water per annum from Alkali Creek for irrigation purposes, of which quantity 2,500 gallons a day may be used for domestic purposes. The water is authorized for use from April 1st to September 30th for irrigation, and year round for domestic purpose. The appurtenant lands are specified as 143 acres, being part of Reserve No. 1, Alkali Lake.

ii) The Comptroller of Water Rights issued Final Water License 9849 in substitution of Conditional Water License 5416. The new license bears a date of precedence of November 20, 1918 and authorizes the storage of up to 360 acre feet of water per annum on Alkali Creek in support of Final Water License 9848. The license is valid from October 1st through to June 15th, and the land upon which the license is appurtenant is 143 acres, being part of Reserve No. 1, Alkali Lake.

May 17, 1952

The Alkali Lake Ranch and the District Engineer commenced correspondence to the Water Rights Branch regarding the condition of the storage dam authorized under Final Water License 9849. Complaints were registered regarding the dams condition. An inspection of the dam concluded it was expended and required replacement. The Indian Commissioner for B.C. was notified and took actions to have the necessary repairs and replacements done. Following completion of the required work another inspection was performed and it was determined that the spillway was not of adequate size, and that additional fill and a proper control stem were needed.

Oct 24, 1954

In a letter from the Comptroller of Water Rights to the Indian Commissioner regarding the storage dam under Final Water License 9849, it was stated that unless certain work was carried out prior to the next freshet season, that water could not be stored in the dam due to its unsafe condition.

This would indicate that the Alkali Lake Band would not have been able to use Final Water License 9848 for irrigation, except during the freshet period, because it relied on storage from the dam and was, at this point, the last license in priority on this stream.

There is a gap in the files at this point, giving no indication that the above mentioned matters were attended to, and/or resolved. However, it may be assumed that the dam was repaired since the license is still in good standing and an inspection was carried out on March 3, 1992.

Aug 1, 1978

In accordance with an application filed by Jacob Roper, the Comptroller of Water Rights issued Conditional Water License 50647 to the Minister of Indian and Northern Affairs on behalf of Jacob Roper. The license bears a date of precedence of November 17, 1977 and authorizes the diversion of up to 20 acre feet of water per annum from Alkali Creek for irrigation purposes. The license authorizes use from April 1st through to June 30th, and the appurtenant lands are defined as Lot 1109; fractional Southwest 1/4 and South 1/2 of fractional Northwest 1/4 of Section 6, Township 76; North 1/2 of Southeast 1/4 of Section 1, Township 78, all of Lillooet District, of which 10 acres may be irrigated.

The period of use was restricted to April 1st to June 30th due to a shortage of water in Alkali Creek.

Mar 3, 1992 An inspection was carried out on the Reservoir Dam on Alkali Lake under Final Water License 9849. The dam was in acceptable condition except for some blockage in the spillway causing high water levels. The blockage was ordered removed to reduce the risk of overtopping the dam's embankment.

Jan 9, 1995 The Dam Safety Officer Garth Wakelam at the Williams Lake Regional Office wrote to the Band Manager John Watson regarding the Alkali Creek Dam. The issue in question dealt licensing requirements at the Alkali Lake Dam. Two possible options were suggested:

1. Change the existing proposal for reconstruction of the dam such that the capacity of the reservoir matches the existing licensed quantity.

2. Apply for a water license to authorize the use of water that is proposed for storage over and above the existing authorized volume.

July 25, 1995 The Regional Water Manager in Williams Lake received an application from the Alkali Lake Band for the right to divert 360 acre feet of water per annum from Alkali Creek for irrigation purpose and to store 840 acre feet of water per annum at Alkali Creek, in support of the irrigation purpose and for conservation purpose.

Current Status:

There are currently 6 licenses and 2 applications on Alkali Creek, above Alkali Lake. Of these, 3 of the licenses are held by the Alkali Lake Band, along with one of the applications, giving the Band 3rd, 4th and 5th priority on this source. The other licenses are for irrigation, domestic and storage purposes, authorizing 2,000 gallons of water per day for domestic use, between 381 acre feet to 997 acre feet for irrigation use and 95 acre feet for storage purposes. The other application on Alkali Creek is for 700 acre feet of water for storage.

The Water Survey of Canada has no streamflow records for Alkali Creek, but in an Engineer's report made on January 8, 1919 a mean flow was calculated. Between June and September the report estimated the mean flow at 3.3 cubic feet per second or 1,776,898.2 gallons a day. A possible water shortage is noted for this source on files 0273136 and 0368458.

Notes:

1. The Province has not formally recognized the A!kali Lake Band's rights to "100 inches" (equivalent to 660 acre feet over a 120 day irrigation season) of water from Alkali Creek, as allocated by the Indian Reserve Commission.

2. The issue of Final Water Licenses 9848 and 9849, in substitution of Conditional Water Licenses 5415 and 5416, resulted in a loss of licensed rights on Alkali Creek for the Alkali Lake Band.

3. Files 0273136 and 0368458 indicate that a water shortage exists on Alkali Creek.

Garden Spring

History:

Dec 1, 1953 — In accordance with an application filed by the Indian Superintendent, Indian Affairs Branch, the Comptroller of Water Rights issued Conditional Water License 21734 to the Director of Indian Affairs. The license bears a date of precedence of July 3, 1953 and authorizes the diversion and use of 1,000 gallons of water a day for domestic purposes and up to 1 acre foot of water per annum for irrigation purposes, on 0.5 acres of Indian Reserve No. 4A, Alkali Lake, Lillooet District. The water may be used for irrigation purposes from April 1st to September 30th and year-round, for domestic purposes.

Permit No. 3864 was issued in conjunction with Conditional License 21734. Permit No. 3864 authorizes the occupation of 0.24 acres of the North East 1/4 of Section 1, Township 78, Lillooet Land District.

Jan 31, 1956 — The Indian Commissioner for B.C. submitted a request for a Final Water License to be issued in substitution of Conditional License 21734. There is no evidence on file to indicate that this request was ever acted upon.

Current Status:

Conditional Water License 21734 is the only active license on Garden Spring, giving the Alkali Lake Band first priority right on the Spring.

The Water Survey of Canada has no flow records for Garden Spring. No alternate sources of water availability data for the Spring were located.

Notes:

1. No action has been taken with respect to issuing a Final Water License in substitution of Conditional License 21734, despite the Band's request to have one issued.

Kirkpatrick Creek

History:

July 15, 1881 — A Minute of Decision of the Indian Reserve Commission, described an 800 acre reserve, situated between Alkali Lake and Williams Lake, and allocated for the use of the Alkali Lake Band, an unspecified amount of water from the small streams being used at the time by the Band.

Kirkpatrick Creek is the only water source which flows through the described reserve.

Current Status:

There are no active licenses on Kirkpatrick Creek, and the Alkali Lake Band has never held a Water License on this source.

The Water Survey of Canada has no record of streamflow on Kirkpatrick Creek. No additional information regarding water availability on the Creek was found during the course of this study.

Notes:

1. The Alkali Lake Band's rights to the waters of Kirkpatrick Creek, as allocated by the Indian Reserve Commission, have not been formally recognized by the Province.

Nesting Brook

History:

April 19, 1983 The Alkali Lake Band entered into an agreement called the "Alixton Project" with Ducks Unlimited (Canada) which authorized Ducks Unlimited to construct dykes, ditches and works on Reserves No. 5 and 13. Ducks Unlimited was also authorized to manage and control water levels within a designated area and to inspect and repair all dykes, ditches and works as required. The agreement encompassed all rights licensed under Condition Licenses 59290, 59289, 60165, 59294, 59293, 59292, 59291 and 60166. The agreement is in effect for five years after April 1983, and from year to year thereafter.

Dec 11, 1985 In accordance with an application filed by the Alkali Lake Band for Ducks Unlimited, the Regional Water Manager at Williams Lake issued Conditional Water License 60166. The license bears a date of precedence of April 28, 1981 and authorizes the storage of 13 acre feet of water per annum from Nesting Brook for conservation purposes. The water may be stored from October 1st to June 15th and used for the conservation project of the licensee within Reserve No. 13, Pete Suckers, Lillooet District.

April 25, 1986 The Regional Water Manager at Williams Lake issued an Order to amend clause (e) of Conditional License 60166 to read as follows:

> *(e) The maximum quantity of water which may be stored is 13 acre feet per annum.*

Current Status:

Conditional Water License 60166 issued to the Alkali Lake Band is the only active license on Nesting Brook, thus giving the band first priority rights on the source.

The Water Survey of Canada has no streamflow records for Nesting Brook. Additional sources of water availability data were not located during this study.

Notes:

1. There is no additional information with respect to the water rights of the Alkali Lake Band on Nesting Brook.

Patrick Creek and Joe Creek and Lake

History:

Aug 1, 1960 The Comptroller of Water Rights issued Conditional Water Licenses 25836 and 25837 to the Director of Indian Affairs in response to an application made by the same office. Both licenses were given a date of precedence of August 27, 1958.

i) Conditional Water License 25836 authorized the diversion and use of up to 75 acre feet of water per annum for irrigation purposes and 30,000 gallons of water per day for domestic use from Patrick Creek. The water may be used for irrigation purposes from April 1st and September 30th, and for domestic purposes, year round. The land upon which the water may be used and to which the license is appurtenant is Reserve No. 1, Alkali Lake, Lillooet District, of which 25 acres may be irrigated.

ii) Conditional Water License 25837 authorized the storage of 75 acre feet of water a year in support of the diversion of water authorized under Conditional Water License 25836, from Patrick Creek; the reservoir site was described as Joe's Lake. The water is authorized for storage from October 1st to June 15th.

Accompanying this license was Permit No. 4717 authorizing the occupation of 1 acre of unsurveyed Crown land in the Lillooet District.

The Director of Indian Affairs had originally applied for the right to divert and store 300 acre feet of water per annum; however, a lesser amount was authorized with the issue of Conditional Water Licenses 25836 and 25837. The Comptroller of Water Rights indicated in a letter, dated June 28, 1960, to the Indian Commissioner for B.C. that,

> *"We are proposing the issue of a license for storage and irrigation for the full amount of effective storage created, and an additional quantity of 30,000 g.p.d. for domestic which would amount to another 40 acre feet per annum.*

It is recommended that the Commissioner be advised that if they wish a license to store 300 acre feet they should submit a plan showing that this quantity of storage can be created ... We have recommended that a storage license be issued covering the dam as constructed."

Nov 22, 1990 In accordance with an Engineer's Report which found that the source of the storage license, Conditional Water License 25837, was erroneously stated, the Comptroller of Water Rights issued the following two licenses to supersede Conditional Licenses 25836 and 25837:

i) Conditional Water License 69073, issued in substitution of Conditional Water License 25836, bears a date of precedence of August 27, 1958, and authorizes the diversion and use of up to 75 acre feet per annum for irrigation purpose and 30,000 gallons a day for domestic purpose from Patrick Creek. The water may be used between April 1st and September 30th for irrigation and year round for domestic purpose. The appurtenant lands are specified as Reserve No. 1, Alkali Lake, Lillooet District, of which 25 acres may be irrigated.

ii) Conditional Water License 69074, issued in substitution of Conditional Water License 25837, bears a date of precedence of August 27, 1958, and authorizes the storage of 75 acre feet of water per annum on Joe Creek in support of the diversion of water authorized under Conditional Water License 69073. The water may be stored from October 1st to June 15th and the reservoir is Joe Lake.

Accompanying this license was Permit No. 16922, authorizing the occupation of approximately 1 acre of unsurveyed Crown Land, Lillooet District.

Current Status:

Patrick Creek

There are currently two licenses active on Patrick Creek. Conditional License 69073 is held by the Alkali Lake Band and Final License 9843, authorizing 1,000 gallons a day for domestic use to a third party. Due to a later date of precedence, the Alkali Lake Band has second priority rights on this source.

The Water Survey of Canada had no streamflow records for Patrick Creek. No additional information regarding water availability on the Creek was found on file.

Joe's Creek

Conditional Water License 69074, as set out in Conditional License 69073, is the only active license on Joe Creek, giving the Alkali Lake Band first priority right on this source.

The Water Survey of Canada has no streamflow records for Joe Creek. Alternate sources of water availability data were not located.

Notes:

1. Under current licensing practices Conditional Water License 69073 would be issued for irrigation and waterworks purposes. The amendment of the license would qualify the Patrick Creek drainage area for designation as a Community Watershed under provisions contained in the Forest Practices Code.

Vert Lake

History:

July 15, 1881 The Minute of Decision of the Indian Reserve Commission described a 1,000 acre reserve situated on the left bank of the Fraser River approximately 30 km south of Alkali Lake, and allocated to the use of the Alkali Lake Band all the water flowing out of Harper's Lake, thought to be presently referred to as Vert Lake.

Jan 9, 1891 By Order, the Lieutenant Governor-in-Council authorized that a grant of water rights be made in favor of the Alkali Lake Band for Wycott's Flat 6,

> *"The right to construct a dam at the outlet of Harper's Lake* [now named Vert Lake] *on Dog Creek Mountain, and the right to the water retained by said dam, to be conveyed by means of a ditch, already surveyed, to the Reserve known as Wycott Flat."*

Nov 23, 1925 The Indian Commissioner for B.C. requested that the water record granted under the Order-in-Council for the right to construct a dam at the outlet of Harper's Lake be recorded as abandoned. The Indian Commissioner noted that,

> *"These records apply to sources from which it is impracticable to obtain water for irrigation purposes, either owing to prohibitive cost of works or other reasons."*

Current Status:

There are three active licenses on Vert Lake (upper and lower) held by a third party. The first authorizes the use of 100 acre feet per annum for irrigation purposes and 100 acre feet per annum for non-power storage purposes; the second authorizes 1,000 acre feet per annum for irrigation; and the third authorizes 500 gallons per day for domestic use.

Notes:

1. The Alkali Lake Band's rights to the waters of Vert Lake, as allocated by the Indian Reserve Commission, was recognized by the Province in a Order-in-Council dated January 9, 1891. However, this allocation was subsequently abandoned by the Indian Commissioner on November 23, 1925.

OTHER INFORMATION:

Additional Water Records:

An additional fishing right was allocated in the Minute of Decision of the Indian Reserve Commission, dated July 15, 1881, with respect to the Alkali Lake Band.

> *"The exclusive right to fish on the left bank of the Fraser River, from the mouth of the Chilcotin River, to the mouth of Little Dog Creek, an approximate distance of 4 miles."*

By an Order, dated January 9, 1891, the Lieutenant Governor-in-Council authorized application by Mr. Meason, Indian Agent, for several Water Records for use of the Indians of the Williams Lake Indian Agency. One of the records applied for by the Indian Agent, on behalf of the Alkali Lake Band, stipulated:

"Fifty inches of water from a small creek running through the Reserve known as Joe Rosetti's Creek, to be diverted at the head of the ditch which now conveys said water on to the Reserve".*

* Note: The reference to an inch of water is understood to be a "miner's inch" of water. The Water Act of 1914 defined a miner's inch as being equal to a flow of .028 cubic feet per second. Calculating this rate of flow over a 120 day irrigation season converts to the equivalent 6.664 acre feet per miner's inch.

The identity of the creek is unknown and the Alkali Lake Band does not occupy a Reserve currently named Joe Rosetti's Creek.

Regardless, this record was not granted by Order-in-Council, as the Assistant Commissioner noted that the water from this source was already recorded by white settlers.

Alternate Water Sources:

Groundwater Records:

A review of well records maintained by the Groundwater Section found that five wells have been reported on the Alakali Lake reserves': three are located on Johny Sticks Reserve No. 2, and two are on Alkali Reserve No. 1. The extent to which the wells are utilized at this time is unknown. For further details on the wells, refer to the attached data summary.

As the provision of well information to the Groundwater Section is voluntary, this review should not be assumed to be complete.

Municipal Water Supply:

At this time, the potential for water supply from a municipality is limited as there are no municipal water systems in the proximity of the Alkali Lake Band's Reserves.

However, the Fraser River outlines the eastern border of Old Clements Reserve No. 16 and the Western border of Wycott's Flat Reserve No. 6. Accordingly, the Fraser River is a possible water supply option for the Alkali Lake Band.

Water Survey of Canada records show that gauging station No. 08MD013 was operated on the Fraser River at Big Bar Creek between 1935 and 1972. A review of these records indicates that the Fraser River experienced extremely low flows during ice conditions in winter. The low mean monthly flow occurred in March, at 519 cubic metres per second (equivalent to approximately 9.9 billion gallons of water per day), while the high mean

monthly flow occurred in June at 3,940 cubic metres per day (equivalent to 74.9 billion gallon of water per day).

Summary of Water Records

Alkali Lake Band

Water Source	Priority Date	Reserve Name	File No.	Document Type	Status	Superceded By	Licence PUC/MOD & OIC Allotments	Comments
Alixton Creek	1981/04/28	Alixton #5	0368450	CL 59290	Current		11 AF/Irrigation	CL 59290: Issued in support of "**Alixton Project**". Joint conservation project between Ducks Unlimited and Band; includes CL's 59290, 59289, 60165, 59294, 59293,59292, and 59291.
Alixton Creek	1981/04/28	Alixton #5	0368449	CL 59289	Current		18 AF/Irrigation	CL 59289: Issued in support of "**Alixton Project**".
Alixton Creek	1981/04/28	Pete Suckers #13	0368451	CL 59291	Current		11 AF/Conservation	CL 59291: Issued in support of "**Alixton Project**".
Alixton Creek	1981/04/28	Pete Suckers #13	0368452	CL 59292	Current		15 AF/Irrigation	CL 59292: Issued in support of "**Alixton Project**".
Alixton Creek	1981/04/28	Pete Suckers #13	0368454	CL 59293	Current		50 AF/Conservation	CL 59293: Issued in support of "**Alixton Project**".
Alixton Creek	1981/04/28	Pete Suckers #13	0368456	CL 59294	Current		8 AF/Irrigation	Cl 59294: Issued in support of "**Alixton Project**".
Alixton Creek	1981/04/28	Pete Suckers #13	0368457	CL 60165	Current		227 AF/ Conservation	CL 60165: Issued in support of "**Alixton Project**".

Water Source	Priority Date	Reserve Name	File No.	Document Type	Status	Superceded By	Licence PUC/MOD & OIC Allotments	Comments
Alixton Creek	1981/10/16	Alixton #5	0369326	CL 60169	Current		320 AC. Ft./ Conservation	**Alixton Creek**: noted on Engineers Report *"fully recorded "*; Info contained in CL 60167 states *"fully recorded restriction does not apply to files 368449 to 368458, inclusive "*.
Alkali Creek	1881/07/15	Alkali #1		MOD			100 inches from Alkali Lake Creek. (Converted = 660 AF) (AGBC #590460)	**MOD Record:** NOT granted; Asst. Commissioner noted "water [in question] already recorded by white settlers".
Alkali Creek	1918/11/20	Alkali #1	0007650	CL 5415	Superceded	FL 9848	15 000 GAD/Domestic 425 AF/Irrigation	
Alkali Creek	1918/11/20	Alkali #1	0007650	FL 9848	Current		2 500 GAD/Domestic 360 AF/Irrigation	
Alkali Creek	1918/11/20	Alkali #1	0007650	CL 5416	Superceded	FL 9849	425 AF/Storage	
Alkali Creek	1918/11/20	Alkali #1	0007650	FL 9849	Current		360 AF/Storage	FL 9849: **Issued in** support of FL 9848. **Alkali Cr. Dam**: Authorized under FL 9849; questions regarding present storage in relation to licensed volumes.
Alkali Creek	1977/11/17	Alkali #4A	0342326	CL 50647	Current		20 AF/Irrigation	CL 50647: Issued in response to application of lessee *Jacob Roper* .
Alkali Creek	1995/07/25	Alkali #1 Alkali #4 Alkali #4A	5001529	Z109985	Pending		360 AF/Irrigation 840 AF/Storage and Recreational Wildlife Habitat.	

Water Source	Priority Date	Reserve Name	File No.	Document Type	Status	Superceded By	Licence PUC/MOD & OIC Allotments	Comments
Garden Spring	1953/07/03	Alkali #4A	0200452	CL 21734	Current		1 000 GAD/Domestic 1 AF/Irrigation	CL 21734: **Priority 1** - Garden Spring.
Kirkpatrick Creek	1881/07/15	Alkali #1		MOD			Stated "unspecified amount of water from the small streams being used at the time".	Kirkpatrick Creek: Only stream fitting MOD description. **Water allotments** made by *Indian Reserve Commission* not formally recognized by Province.
Nesting Brook	1981/04/28	Pete Suckers #13	0368455	CL 60166	Current		13 AF/Conservation	CL 60166: Issued in support of "**Alixton Project**". **Priority 1** - Nesting Brook.
Patrick Creek	1958/08/27	Alkali #1	0222040	CL 25836	Superceded	CL 69073	30 000 GAD/Domestic 75 AF/Irrigation	
Patrick Creek	1958/08/27	Alkali #1	0222040	CL 69073	Current		30 000 GAD/Domestic 75 AF/Irrigation	CL 25836: **Priority 2** - Patrick Creek. **Potential designation** Patrick Cr. Drainage Area "*Community Watershed* "; requires amendment CL 25836, purpose = "*waterworks* ".
Patrick Creek	1958/08/27	Alkali #1	0222040	CL 25837	Superceded	CL 69074	75 GAD/Storage (in support of diversion authorized under CL 25836)	CL 25837: **Reservoir** site described as "*Joes Lake* ".
Joes Creek	1958/08/27	Alkali #1	0222040	CL 69074	Current		75 GAD/Storage (in support of diversion authorized under CL 25836)	CL 69074: **Priority 1** - Joes Creek/lake.

Water Source	Priority Date	Reserve Name	File No.	Document Type	Status	Superceded By	Licence PUC/MOD & OIC Allotments	Comments
Vert Lake	1881/07/15	Wycott's Flat #6		MOD			"All waters flowing out of Harper's Lake" (AGBC # 590460)	"**Harper's Lake**": Now thought to be **Vert Lake**. **Water allotments** made by *Indian Reserve Commission* not formally recognized by Province.
Vert Lake	1891/01/09	Wycott's Flat #6		OIC	Abandoned		"The right to construct a dam & the right to the water retained by said dam". (AGBC 562)	OIC: **Nov 1925**: Abandoned by Indian reserve Commissioner "*impracticable to gain water* " from the said sources.

LEGEND:

Licence Types (Document Types)
CL: Conditional Licence
FL: Final Licence

Mechanisms for Allocation (Document Type)
OIC: Order-in-Council (as issued by the Luitenant Governor in Council)
MOD: Minute of Decision (as recorded under the Indian Reserve Commission)
IRC: Indian Reserve Commission
AGBC: Attorney Generals Office of BC (followed by File #)

Allotment Units (Licence PUC/MOD & OIC Allotments)
GAD: Gallons a day
AF: Acre feet
CFS: Cubic feet per second

8. Ore. Alkali Lake

Limits of Decision.

Alkali Lake Indians.

No 1.

A Reserve of 590 acres situated on Alkali Lake Creek, adjoining the farm of Mr H. Bowie, —

Commencing at the East-ern corner of Lot 6, Group 3, Kilgard District, and running due East 13 chains 65 links; thence due North 90 chains; thence due East 100 chains; thence due South 56 chains; thence due West an approximate distance of 136 chains to a point due South of one of Mr Bowie's boundary posts, as shown on plan annexed; thence due North to the said boundary post, and thence along Mr Bowie's boundary in a North-easterly direction to the point of commencement.

100 inches of water is also reserved to be taken from Alkali Lake Creek.

No 2

Alkali Lake Indians

— No. 2. —

640 A Reserve of 640 acres situated on the trail between Alkali Lake and Williams Lake, about three miles from the Indian Village.

9

Commencing at a post at the North-west corner of the reserve, and running thence due East 100 chains; thence due South 80 chains; thence due West 100 chains; and thence due North 80 chains to place of Commencement.

~~The water on this reserve is from wells the Indians obtain their water is also received.~~

— No. 3. —

150 A Reserve of 150 acres situated on the North fork of Alkali Lake Creek, about five miles from the Indian Village.

Commencing at a tree marked Indian Reserve, and running due North 30 chains; thence due East 60 chains; thence due South 30 chains; and thence 60 chains

Alkali Lake Indians

No 3. Band

Geo. A. Walkem

to present of commencement.

10

No 4.

A Reserve of 340 acres
N/W situated on the middle fork of Alkali Lake Creek, about six miles East of the Village.

Commencing at a tree marked Indian Reserve, and running due North 20 chains; thence due West 50 chains; thence due South 80 chains, thence due East 90 chains; and thence North 40 chains to place of commencement.

No 5.

A Reserve situated at the foot
S/E of a lake, known as Alkali Lake, containing 200 acres, and about four miles East of the Village.

Commencing

Alkali Lake Indians

— No 5, Cont'd —

Commencing at a Silverwood tree on the right bank of the outlet of the said Lake, and running due North, to a point marked A on plan, 10 chains; thence due East 30 chains; thence due South 20 chains; thence due West 100 chains; thence due North 20 chains; and thence due East to the point A before mentioned.

— No 6. —

A Reserve known as Pigeon's flat, situated on the left bank of Fraser river, about 19 Miles from Alkali Lake, and containing 1010 acres approximately.

Commencing at a fir tree marked Indian Reserve, and running due East 30 Chains; thence due South 80 chains; thence due East 10 chains; thence due South 80 chains; thence due East 10 chains; thence due

Alkali Lake Indians

— Art. 6, Cont'd —

due South to the first ravine, north of Harpers Lake Creek; thence down centre of said ravine in a Westerly direction to the Fraser River; thence up the left bank of the said river to a point due West of the point of Commencement, and thence to Starting Point.

~~Also that certain fishing Reserve at Harpers Lake as set aside for the use of the Indians.~~

— No 7. —

A Fishing Reserve situated on the North Shore of Lac-la-Hache, between the 122nd and 123 mile Post on the Cariboo Waggon road, and containing about 3 acres.

Commencing at the mouth of a small creek emptying into the Lake, and running up the right hand

Alkali Lake Indians

— Map 2nd —

bank, to the Wagon road, an approximate distance of 3 chains; thence along the wagon road in a Westerly direction 10 chains; thence due South to the lake; and thence along the bank of the said lake, in an Easterly direction to the place of commencement. 13

Also the exclusive right to fish on the left bank of the Fraser river, from the mouth of the Chilcotin river, to the mouth of "Little Dog Creek", an approximate distance of 4 miles.

A burial ground situated 1 chain from the right bank of Alkali Lake Creek about 350 yards north of Mr John Moore's house is reserved.

Commencing at a stake at the South-west corner, running due North 80 links; thence due East 40 links; thence due South 80 links; and thence due West 40 links to point of commencement.

J. G. Reilly
D.L.C.

Alkali Lake, B.C.
July, 1st, 1881.

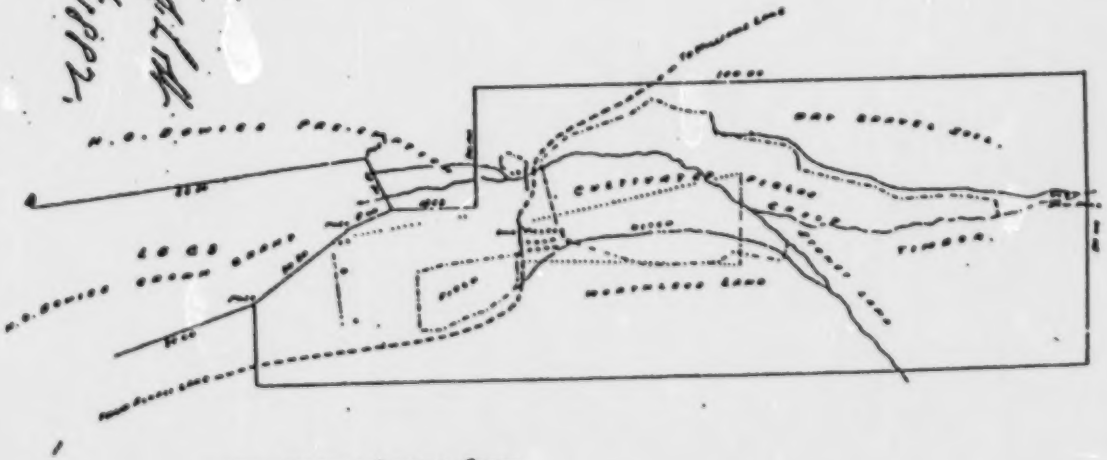
14

No 1

ALKALI LAKE INDIANS.

Scale 1 inch = 20 Chains.

590 acres approx.



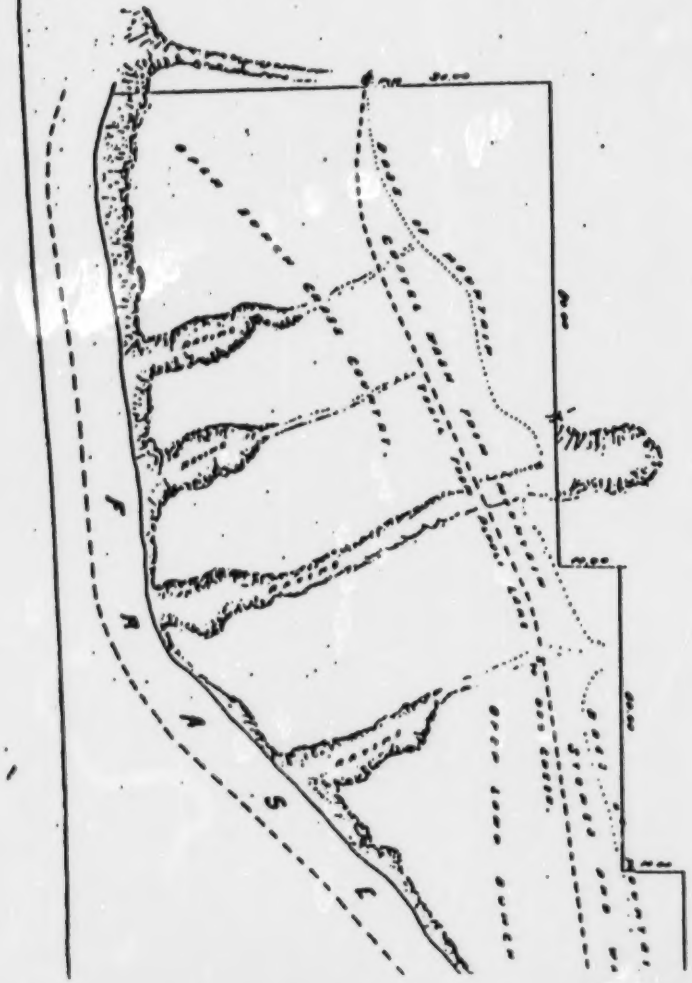
New Reserve Colebrook Creek.
Old . . Pink.

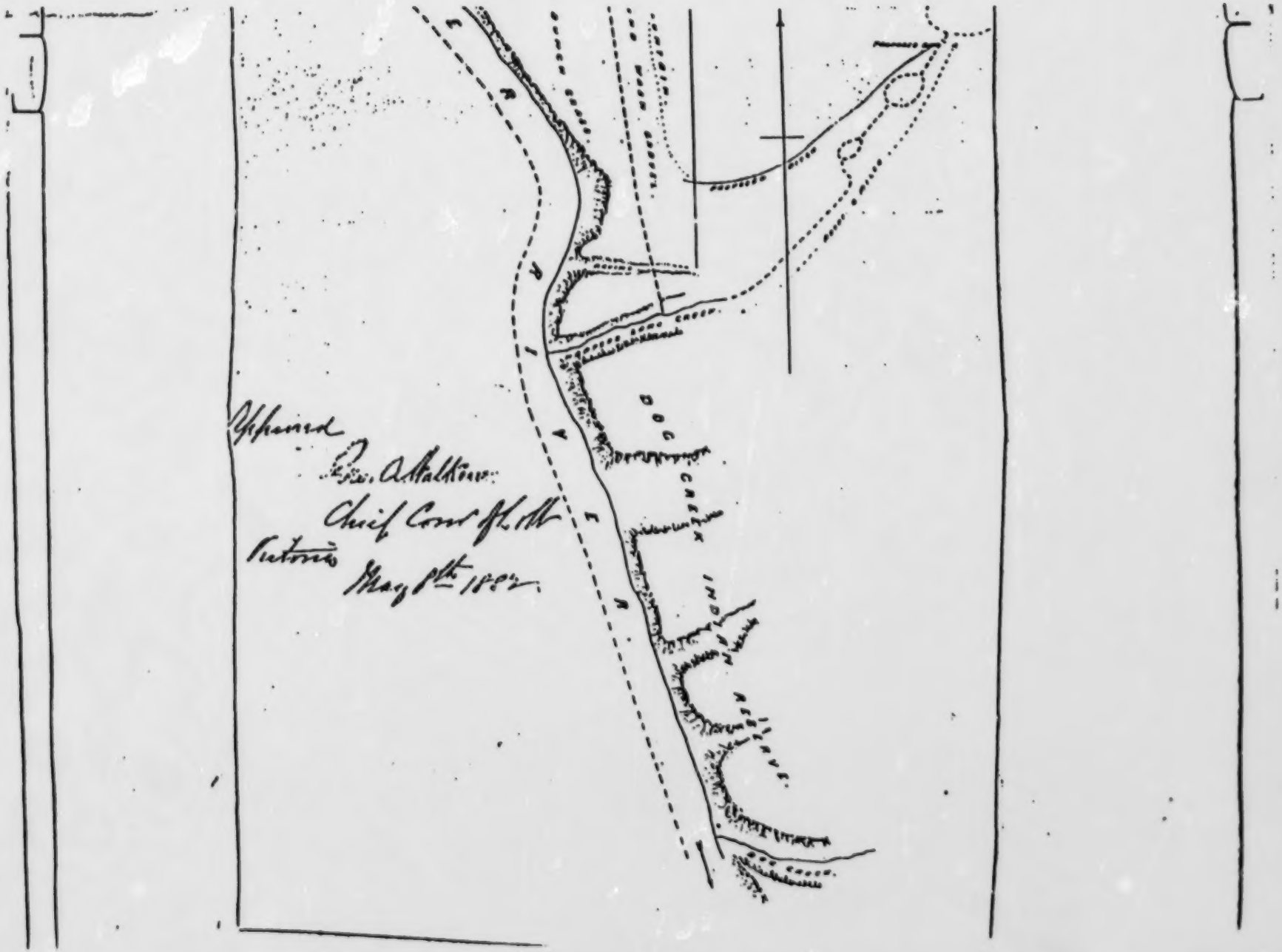
WYCOTT FLAT

ALKALI LAKE INDIANS.

SCALE 1 INCH = 80 CHAINS.

1000 acres approx?

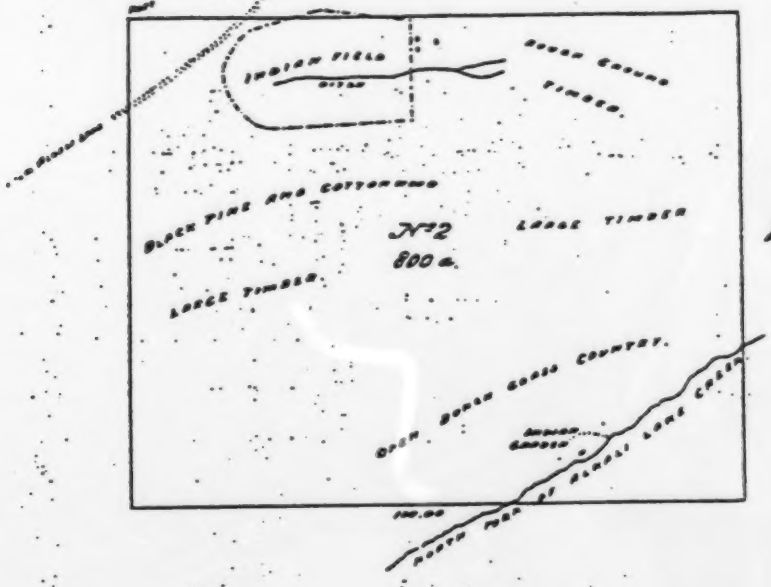



Approved
E. C. A. Walkem
Chief Comm. of Lds & Wks
Victoria
May 8th 1872

ALKALI LAKE INDIANS.

SCALE 1 INCH = 20 CHAINS.

16



Approved

G. B. Halkett

Chief C

Victoria

HIGH ROUGH GRASS HILLS.

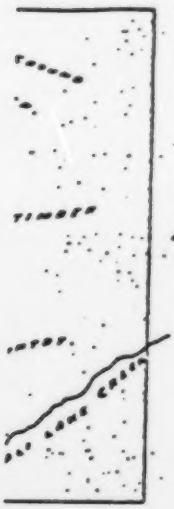
No 3 . 180 acres.

N.

'ALI. LAKE INDIANS.

SCALE 1 INCH = 20 CHAINS.

16

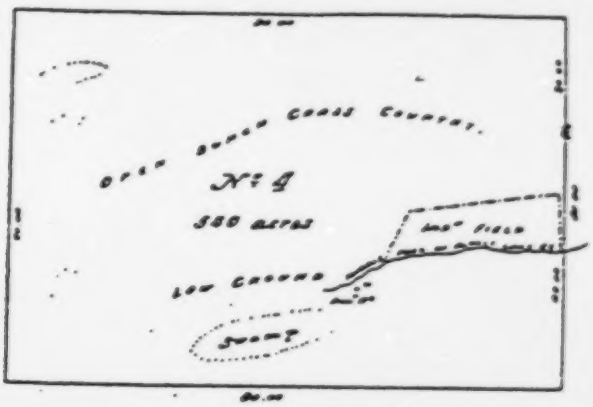


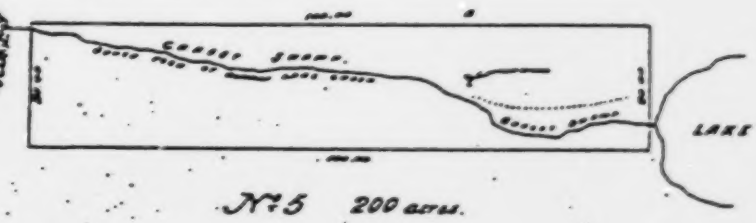
Approved

G. A. Walbran

Chief Com. of L. W.

Victoria, B.C. 1st Aug. 1882





No 5 200 acres.

No 7 3 acres.

S

Hugh Nelson.

Government House, Victoria,

6th January 1891.

On the recommendation of the Honourable the

Acting Chief Commissioner, of Lands and Works,

His Honour the Lieutenant-Governor, by and with the advice of the Executive Council, has been pleased to order, and it is hereby ordered, that the Assistant Commissioner of Lands and works for Lillooet District, be, and is hereby, authorized to grant the application of Mr William Laing Meason Indian Agent, for Water Records for the use of the Indians of the Williams Lake Indian Agency,

provided there be no adverse reasons against the issue of said Records.

Jno. Robson

Clerk, Executive Council.

8

8

AGBC 562

Report not to I.T.C.
Returned to I.T. dept.
10/4/91

On a Memorandum from the Honourable the Acting Chief Commissioner of Lands & Works, dated 31st December 1890, enclosing a report from the Assistant Commissioner for Kitlcoot District upon the application of Mr Meason, Indian Agent, for various Water Records for the use of the Indians under his supervision.

And recommending that the Commissioner be authorized to grant the application for Water Records in those instances where no objection exists.

The Committee Advise approval

Chas. Pooley

President of Executive Council

Approved 9th January 1891

H. Augustus Lawson

Lieutenant Governor

LANDS & WORKS DEPARTMENT
DEC 27 1890
VICTORIA, B.C.

GOVERNMENT OFFICE
DEC 19 1890
CLINTON, B.C.

June 31

Sir

I have honour to report that Mr. W. Teeson Indian Agent for this District, gave notice, in the Gov't Gazette of March 29th 1889 and also in the Kamloops 'Sentinel' of similar date, of his intention to apply to you for permission to divert and use for the purposes of irrigation on Indian Reserves in this District, certain waters as set out in his Notice of Application.

Mr Teeson now applies for a Record to be made of the various described applications.

The amount of water applied for, in each case, as a rule is very small and with few exceptions are not already claimed by white settlers.

For your reference I have annexed the original Copies of notice of intention, and my remarks on each application, and enclose same herewith, awaiting your instructions with regard Record.

I have the honour to be
Sir
Your obedient Servant

The Hon. J. Y. Vernon
Chief Commissioner of Lds & Works
Victoria B.C.

2

"Lillooet District"

No objections to this record

This water already recorded by white settlers

This water already recorded by white settlers

No Objection to this record

Fifty inches is sufficient.

Subject to existing records

Subject to existing rights and records

Subject to existing records.

No objection to this record.

No objection to this record

Subject to existing records

Subject to existing records

PROVINCE OF BRITISH COLUMBIA. **WATER RIGHTS BRANCH.** DEPARTMENT OF LANDS.

CONDITIONAL WATER LICENCE
(IRRIGATION)

Appurtenant to 170 acres of Indian Reserve No. 1, Alkali Lake.

WHEREAS Isaac Ogden, Indian Agent, whose post-office address is Lac La Hache, B. C.

as owner or lawful occupant of the land hereinafter specified, has applied for a licence to take and use water in the manner hereinafter set out, and has taken all the preliminary steps required of such applicant under the "Water Act, 1914," prior to the issue of this licence, and is, under the said Act, entitled thereto:

(1.) Now, therefore, in pursuance of the said Act, this conditional licence is issued, granting the licensee thereunder the right to take and use water under the following terms and conditions:—

(*a.*) The source of the water-supply is Alkali Creek, a tributary of Alkali Lake.

(*b.*) The point of diversion from the stream is located as shown in the exhibit marked "A" hereto attached, which is incorporated herewith and made a part hereof, the original of which is attached to the counterfoil of this licence on file in the office of the Comptroller of Water Rights, Parliament Buildings, Victoria.

(*c.*) The date from which this licence shall take precedence is 20th November, 1918.

(*d.*) The purpose for which the water is to be used is irrigation. Superseded by 9848 Final Licence

(*e.*) The maximum quantity of water which may be used at the place of use when all the lands mentioned in item (*g*) hereof are under irrigation is, until lawfully altered, 425 acre-feet per annum; and the maximum quantity which may be used per acre at the said place of use in any year is 2½ acre-feet: Provided that if any records have been issued, or if any other licences have been or may hereafter be issued, for the use of water upon the said lands, the maximum quantity allowed under this licence shall be reduced by such quantities as may from time to time be used upon the said lands under such other records or licences, including the records or licences at present outstanding, namely, Licence No. _____ from _____ (Stream.) and Licence No. _____ from _____ (Stream.)

And provided further that in such cases the Comptroller may, after the requisite hydrographic data have been accumulated for determining the particular quantity of water which may be used under this licence, require the surrender thereof for the purpose of readjustment, and may amend the same by stating therein such particular quantity so determined. The maximum quantity which may be diverted from the stream per annum is 2½ acre-feet per acre of land irrigated and an additional amount for reasonable seepage and evaporation.

And provided further that there may be used in addition 15000 gallons of water per day throughout the whole year for domestic purpose as being incidental to the irrigation purpose.

Licence Number 5445

Form 1004, W.R.B. (Conditional Licence—Irrigation).—1,000-8-20.

ORIGINAL

(*f.*) The period of the year during which the water may be used is 1st April to 30th September.

(*g.*) The area and description of the irrigable lands to which this right may extend on completion of works and beneficial use of the water in the irrigation of the said lands are 170 acres, comprising part of Indian Reserve No. 1, Alkali Lake.

The extent and location of the said irrigable lands are further shown in the said exhibit "A."

(*h.*) The other terms and conditions respecting the right are:—

(1.) Works for the diversion and the carriage of the water as set forth in the exhibit marked "B" which is hereto attached and hereby made a part hereof shall be constructed in a workmanlike manner and to the satisfaction of the Comptroller of Water Rights.

(2.) The said construction shall be commenced on or before the already commenced. day of ....., 19.....

(3.) The said construction shall be prosecuted with due diligence and to the satisfaction of the Comptroller, and shall be completed on or before the thirtieth day of September, 19 30.

(4.) The lands described in clause (*g*) hereof shall have been properly prepared for irrigation and shall have been irrigated beneficially from the said works on or before the thirtieth day of September, 19 30.

(5.) .....

(*i.*) Before any change is made in the said works which would be a material deviation from the plans as approved or the works as accepted by the Comptroller, plans of such proposed change must be filed with the Comptroller and approved by him.

(*j.*) .....

(2.) This licence shall not in any way be deemed to be a final licence for the use of water, but shall have the effect only of a conditional licence issued under Part V. of the "Water Act, 1914," and shall be subject to all the provisions of said Act, including the filing of proof of the completion of the said works and the putting of the water to such beneficial use within the time limited by the provisions of section 117 of the said Act.

Issued this tenth day of March, 1921.

File No. 07650.

E. J. Chesnaye
Comptroller of Water Rights.

Licence Number 2415

PROVINCE OF BRITISH COLUMBIA. **WATER RIGHTS BRANCH.** DEPARTMENT OF LANDS.

EXHIBIT "B."

(APPROVAL OF PLANS AND LIST OF WORKS TO BE CONSTRUCTED.)

The works which are accepted as necessary and suitable for the taking and (or) using of the water under the above-mentioned licence, and which are more fully set out in the plans and specifications filed in the office of the Comptroller of Water Rights numbered 32395 C.

as altered, amended, or limited by supplemental plans and specifications numbered

or in letters or other documents referred to as

which plans and specifications as thus altered, amended, or limited are hereby approved, are as follows:—

Headgates and ditches.

File No. 07650.

Map No. 4612

By TCHW

E. A. Cleveland

Comptroller of Water Rights.

5415

Form 1005, W.R.B. (Approval of Plans)—2,000-11-20—(Forming part of Conditional Water Licence No.).

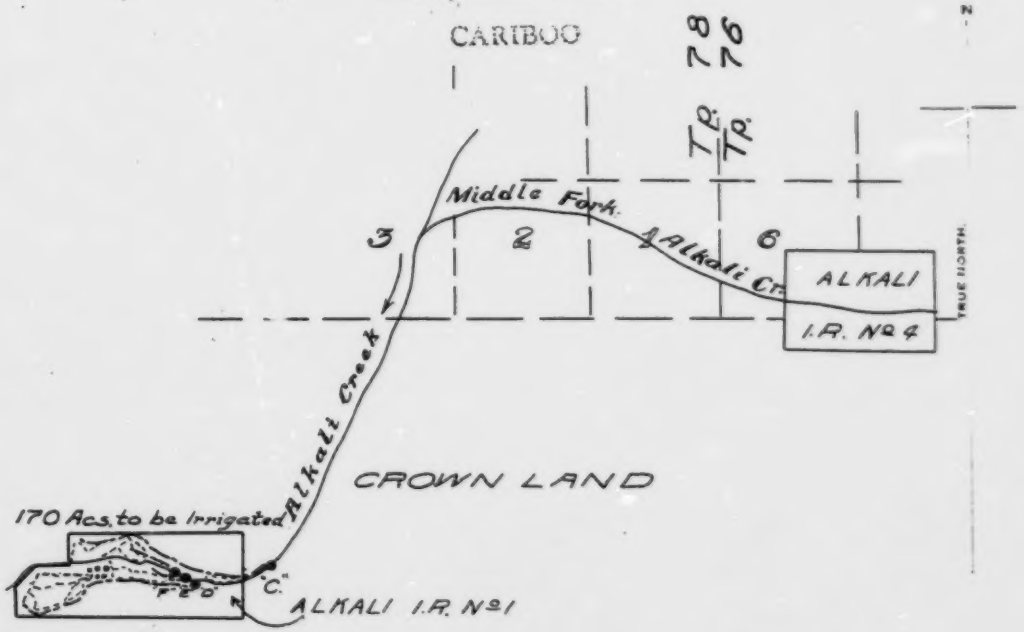
5415

British Columbia.

To accompany Conditional Licence No 5415 Precinct

LILLOOET WATER DISTRICT.

Scale, 80 Chains to 1 Inch.



Points of Diversion
F.E.D.C. Map 4612

LILLOET LAND DISTRICT

The boundaries of the land to which this licence is appurtenant are shown shaded.

Signature E. St. Clemland

Date 10th Mar. 1921

C.L. 5415
File 07650

EXHIBIT "A"

PROVINCE OF BRITISH COLUMBIA. WATER RIGHTS BRANCH. DEPARTMENT OF LANDS.

CONDITIONAL WATER LICENCE.

FOR STORAGE PURPOSE.

Appurtenant to ...170 acres of Indian Reserve No. 1,...

Alkali Lake.

WHEREAS ...Isaac Ogden,... whose post-office address is ...Lac La Hache... as owner or lawful occupant of the land, mine, or undertaking hereinafter mentioned, has applied for a licence to store water; and

Whereas a licence or record has been previously issued or made in respect of the said land, mine, or undertaking, being Licence No. 5415 (hereinafter called the "diversion licence or record"), authorizing the beneficial use of ...425 acre feet... (Quantity.) of water per annum for ...Irrigation... purpose, which quantity of water the water to be stored under the licence hereby issued is intended to supply in whole or in part; and

Whereas the said applicant has taken all the preliminary steps required of him under the "Water Act, 1914," prior to the issue of this licence, and is, under the said Act, entitled thereto:

Now, therefore, in pursuance of the said Act, this conditional licence is issued, granting a right to store water under the following terms and conditions:—

(a.) The source of the supply is ...Alkali Creek... 9849

a tributary of ...Alkali Lake...

(b.) The point or points of diversion from the stream or streams, and the points where the stored water is to be placed in and taken from any natural watercourse or any dry gulch or draw is shown in the exhibit marked "A," hereto attached, which is incorporated herewith and made a part hereof, the original of which exhibit is on file in the office of the Comptroller of Water Rights, Parliament Buildings, Victoria.

(c.) The date from which this licence and the right to store water thereunder shall take precedence is ...20th November, 1916.

(d.) The purpose for which the stored water is to be used is that set out in the diversion licence or record.

(e.) The maximum quantity of water which may be stored under this licence, estimated for the time being at ...425... acre-feet per annum, is such quantity as, together with the quantity of natural-flow water used under the diversion licence or record will be necessary to secure to the licensee the quantity to which he is entitled under the said diversion licence or record.

(f.) The period of the year during which the water may be stored (accumulated) is from the ...1st... day of ...October... to the ...15th... day of ...June..., but it may be retained in the reservoir until required for use under the diversion licence or record subject to the approval of the Engineer of the Water District.

Licence Number 5416

Form 1005. W.R.B. (Conditional Licence—Storage).—1,000-2-19.

5416

ORIGINAL

(g.) The land, mine, or undertaking on which or in respect of which the water may be used is as set out in the diversion licence or record.

(h.) The works which are required to be constructed consist of all the works set out in exhibit "B" hereto attached, which is incorporated herewith and made a part hereof.

(i.) The construction of the said works shall be commenced on or before the ... already commenced.
day of ....., 191....., and shall be prosecuted with due diligence and in a workmanlike manner and to the satisfaction of the Comptroller of Water Rights.

(j.) The said construction shall be completed and the water beneficially used for the purpose set out in this licence on or before the thirtieth day of September, 1930.

(k.) Before any change is made in the said works which would be a material deviation from the plans as approved or the works as accepted by the Comptroller, plans of such proposed change must be filed with the Comptroller and approved by him.

(l.) This licence shall not in any way be deemed to be a final licence for the use of water, but shall have the effect only of a conditional licence issued under Part V. of the "Water Act, 1914," and shall be subject to all the provisions of the said Act, including the filing of proof of the completion of the said works and the putting of the water to such beneficial use within the time limited by the provisions of section 117 of the said Act.

(m.) .....

Issued this tenth day of March, 1921.

File No. 07650.

E. McCausland

Comptroller of Water Rights.

Licence Number 5416

Form 1008, W.R.B. (Conditional Licence—Storage).—1,000-2-19.

PROVINCE OF BRITISH COLUMBIA. WATER RIGHTS BRANCH. DEPARTMENT OF LANDS.

EXHIBIT "B."

(APPROVAL OF PLANS AND LIST OF WORKS TO BE CONSTRUCTED.)

The works which are accepted as necessary and suitable for the taking and (or) using of the water under the above-mentioned licence, and which are more fully set out in the plans and specifications filed in the office of the Comptroller of Water Rights numbered 32395 C.

as altered, amended, or limited by supplemental plans and specifications numbered 40237 D.

or in letters or other documents referred to as

which plans and specifications as thus altered, amended, or limited are hereby approved, are as follows:—

Earth dam.

File No. 07650

4512

by KBW

E. F. Edmund
Comptroller of Water Rights.

Form 1005, W.R.B. (Approval of Plans)—2,000-11-50—(Forming part of Conditional Water Licence No. 5416)

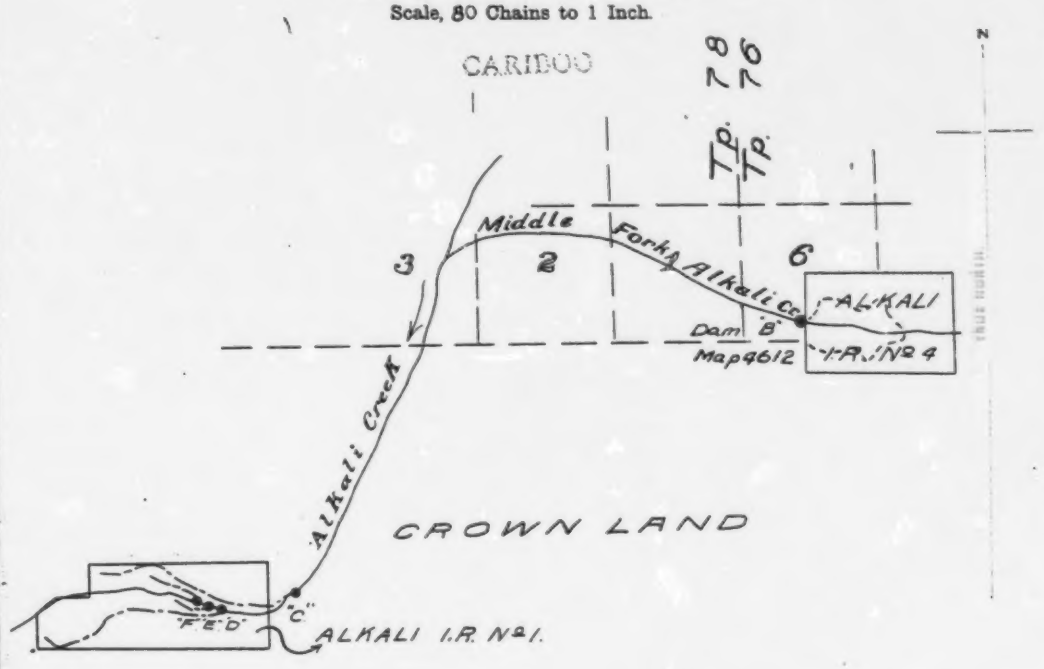
5416

British Columbia.

To accompany Conditional Licence No 5416 Precinct

LILLOOET WATER DISTRICT.

Scale, 80 Chains to 1 Inch.



Points of Diversion
F.E.D. Map 4612

LILLOET LAND DISTRICT

Signature E. Helmland

Date 10 Mar. 1921

EXHIBIT "A"

C.L. 5416
File 07650

W.A 3473 (2)

PROVINCE OF BRITISH COLUMBIA

Water Rights Branch

DEPARTMENT OF LANDS AND FORESTS

CONDITIONAL WATER LICENCE

Director of Indian Affairs of Ottawa, Ontario

is hereby authorized to divert and use water as follows:—

(a) The source of the water-supply is Garden Spring.

(b) The point of diversion is located as shown on the attached plan.

(c) The date from which this licence shall have precedence is 3rd July, 1953.

(d) The purpose for which the water is to be used is irrigation and domestic.

(e) The maximum quantity of water which may be diverted for irrigation purpose is 1 acre foot per annum and for domestic purpose is 1000 gallons a day and such additional quantity as the Engineer may from time to time determine should be allowed for losses.

(f) The period of the year during which the water may be used for irrigation purpose is 1st April to 30th September and for domestic purpose is the whole year.

(g) The land upon which the water is to be used and to which this licence is appurtenant is

Indian Reserve No. 4A, Alkali Lake, Lillooet District, of which 0.5 acre may be irrigated.

(h) The works authorized to be constructed are box, pipe and ditch

and they shall be located approximately as shown on the attached plan.

(i) The construction of the said works has already been commenced and shall be completed and the water beneficially used on or before the 31st day of December, 1955.

Entered on Map No. 110 G
A-C

(A. F. Paget)
Deputy Comptroller of Water Rights.

File No. 0200452 Date issued December 1, 1953 Licence No. 21734

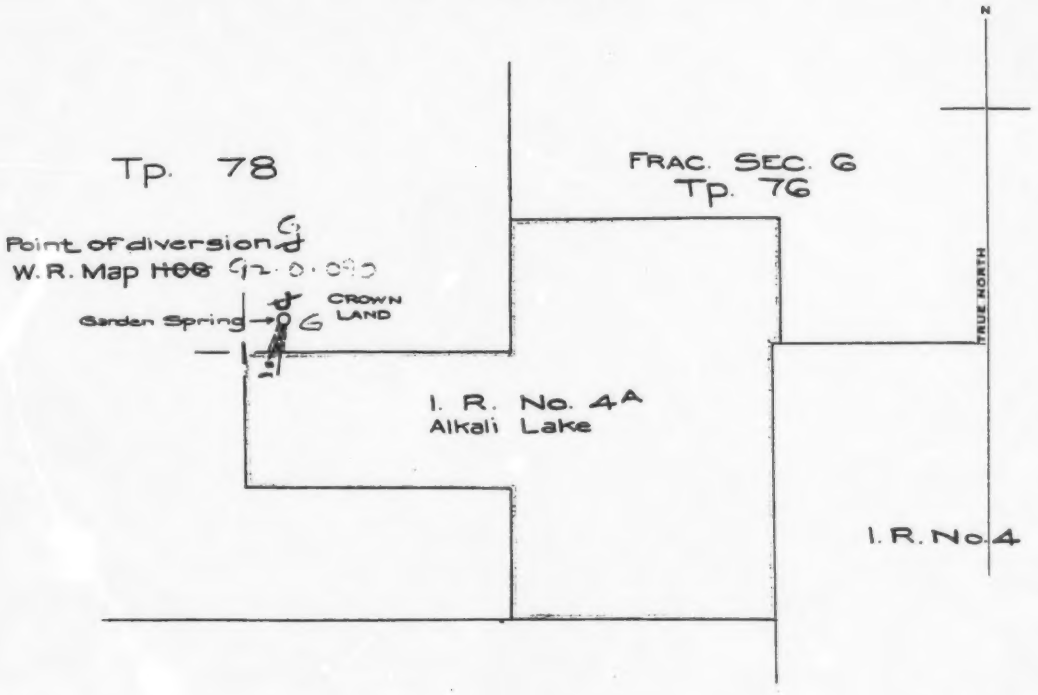
13

British Columbia

To accompany Conditional Licence No. 21734
and Permit for Right of Way over Crown Land

CARIBOO WATER DISTRICT

Scale: 20 Chains to 1 Inch



LILLOOET LAND DIST

LEGEND

Point of Diversion O

Pipe & Ditch ——— - ———

R/W

The boundaries of the land to which this licence is appurtenant are shown thus: ▬▬▬

Signature [signature]

Date Dec. 1st 1953

C.L. 21734

File 0200452

EXHIBIT "A"

For R/W see Ref. Map 27B(D-9)

W.R.B. 13—0

PROVINCE OF BRITISH COLUMBIA

Water Rights Branch

DEPARTMENT OF LANDS AND FORESTS

CONDITIONAL WATER LICENCE

Director of Indian Affairs of Ottawa, Ontario,

is/are hereby authorized to divert and use water as follows:—

(a) The source (s) of the water-supply is/are Patrick Creek.

(b) The point (s) of diversion is/are located as shown on the attached plan.

(c) The date from which this licence shall have precedence is 27th August, 1958.

(d) The purpose for which the water is to be used is irrigation and domestic.

(e) The maximum quantity of water which may be diverted for irrigation purpose is 75 acre feet per annum and for domestic purpose is 30,000 gallons a day, and such additional quantity as the Engineer may from time to time determine should be allowed for losses.

(f) The period of the year during which the water may be used for irrigation purpose is 1st April to 30th September and for domestic purpose is the whole year.

(g) The land upon which the water is to be used and to which this licence is appurtenant is Indian Reserve No.1, Alkali Lake, Lillooet District, of which 25 acres may be irrigated.

(h) The works authorized to be constructed are ditch, tank and pipe, and they shall be located approximately as shown on the attached plan.

(i) The construction of the said works ~~shall be~~ has been commenced on ~~or before the~~ ~~day~~ of ~~19~~, and shall be completed and the water beneficially used on or before the 31st day of December, 1962.

ENTERED ON ✓
Map No. 1104
By R.M.

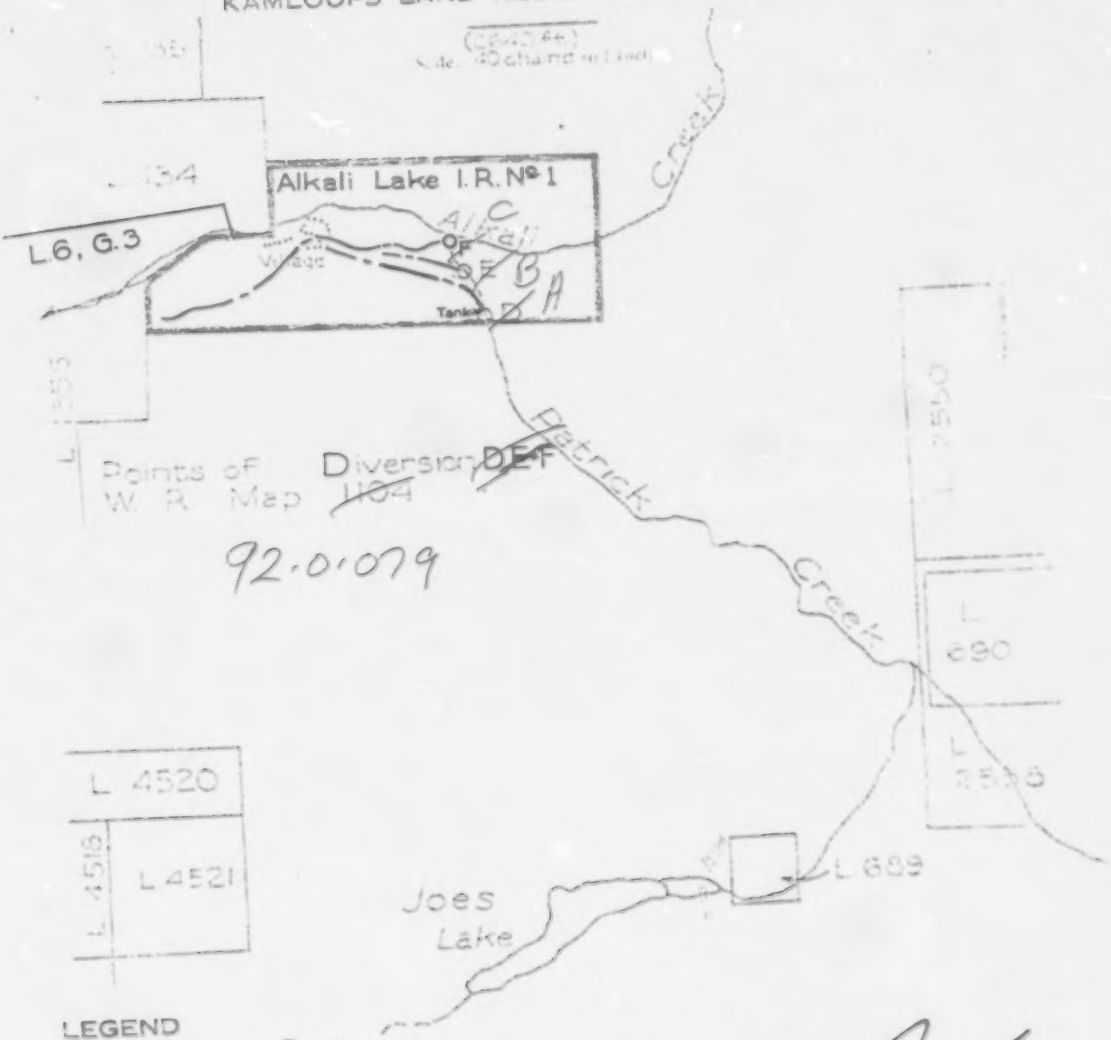
W. R. Paget,
Comptroller of Water Rights.

File No. 0222040 Date issued 1st August 1960 Licence No. 25836

British Columbia

9/

CARIBOO WATER DISTRICT
LILLOOET LAND DISTRICT
KAMLOOPS LAND REGISTRATION DISTRICT



LEGEND
Point of Diversion ○
Pipe & ditch —·—·—

The boundaries of the land to which this licence is appurtenant are shown thus ———

Signature

Aug. 1960
25836

EXHIBIT "A"

For: Storage see C.L. 25837

W.R.B. 13—0

PROVINCE OF BRITISH COLUMBIA

Water Rights Branch

DEPARTMENT OF LANDS AND FORESTS

CONDITIONAL WATER LICENCE

Director of Indian Affairs of Ottawa, Ontario

is/are hereby authorized to store water as follows:—

(a) The source (s) of the water-supply is/are Patrick Creek and the reservoir is Joes Lake.

(b) The point (s) of storage is/are located as shown on the attached plan.

(c) The date from which this licence shall have precedence is 27th August, 1958.

(d) The purpose for which the water is to be used is as set out in Conditional Water Licence No. 25836

(e) The maximum quantity of water which may be stored is 75 acre feet per annum, and such additional quantity as the Engineer may from time to time determine should be allowed for losses.

(f) The period of the year during which the water may be stored is 1st October to 15th June.

(g) The land upon which the water is to be used and to which this licence is appurtenant is as set out in Conditional Water Licence No. 25836

(h) The works authorized to be constructed are dams,

and they shall be located approximately as shown on the attached plan.

(i) The construction of the said works has been commenced ~~shall be commenced on or before the ..... day~~ of ....., 19....., and shall be completed and the water beneficially used on or before the 31st day of December, 1962.

ENTERED ON Map No. 1104 By P.M.

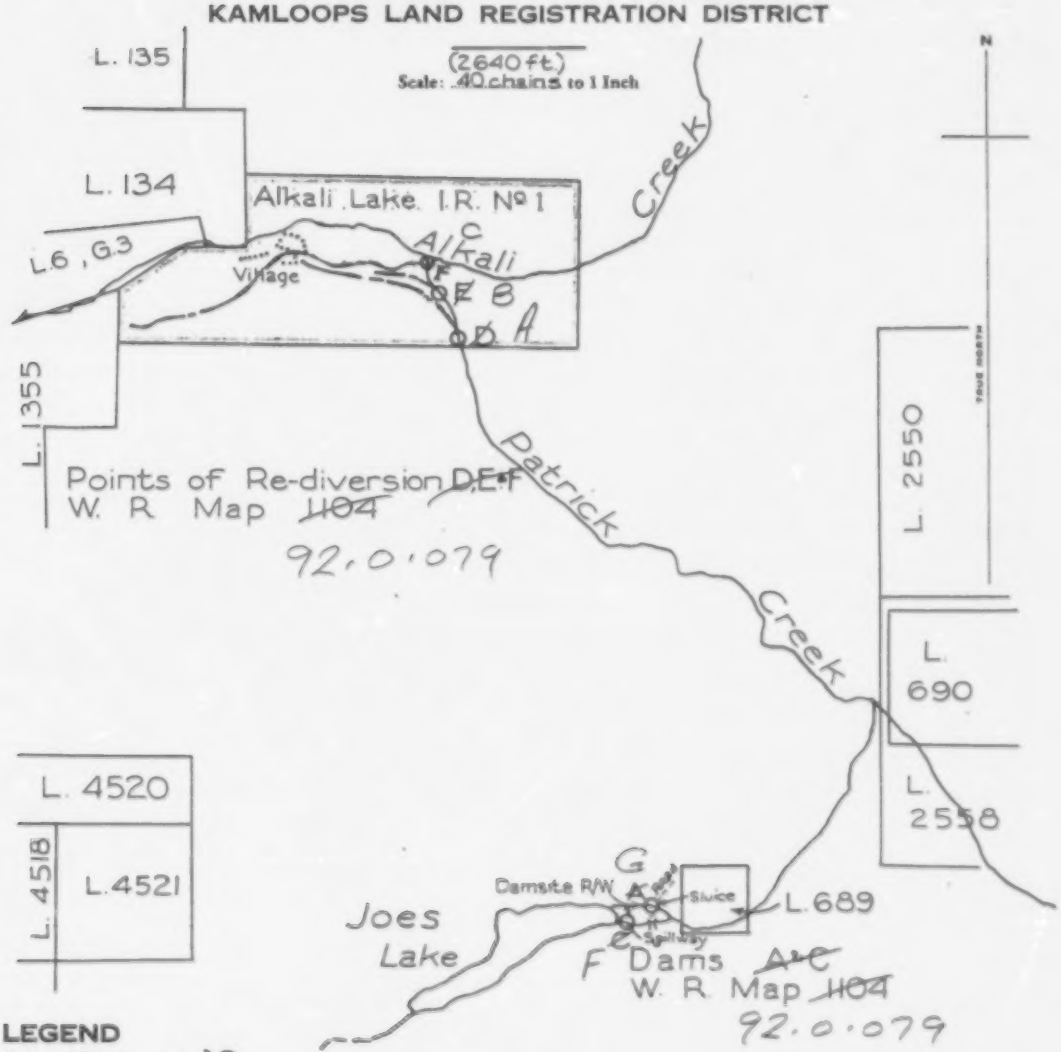
A. R. Eagle,
Comptroller of Water Rights.

File No. 0222040 Date issued 1st August 1960 Licence No. 25837

British Columbia

CARIBOO WATER DISTRICT
LILLOOET LAND DISTRICT
KAMLOOPS LAND REGISTRATION DISTRICT

11



LEGEND

Point of Re-diversion } O
Dam
Pipe & ditch — - —

The boundaries of the land to which this licence is appurtenant are shown thus: _____

Signature _____

Date 1 Aug. 1960

C.L. 25837
File 0222040

EXHIBIT "A"

For diversion see C.L. 25836 Permit Nº 4717
For R/W see Ref. Map 92 I NE · (610-647)

LAND AND WATER MANAGEMENT
WATER RIGHTS BRANCH

MINISTRY OF THE
ENVIRONMENT

THE PROVINCE OF BRITISH COLUMBIA—WATER ACT

CONDITIONAL WATER LICENCE

The Honourable Minister of Indian and Northern Affairs of Ottawa, Ontario

is/are hereby authorized to divert and use water as follows:—

(*a*) The source(s) of the water-supply is/are Alkali Creek.

(*b*) The point(s) of diversion is/are located as shown on the attached plan.

(*c*) The date from which this licence shall have precedence is 17th November, 1977.

(*d*) The purpose for which the water is to be used is irrigation.

(*e*) The maximum quantity of water which may be diverted is 20 acre feet per annum,

and such additional quantity as the Engineer may from time to time determine should be allowed for losses.

(*f*) The period of the year during which the water may be used is 1st April to 30th June.

(*g*) The land upon which the water is to be used and to which this licence is appurtenant is Lot 1109; Fractional Southwest ¼ and South ½ of Fractional Northwest ¼ of Section 6, Township 76; North ½ of Southeast ¼ of Section 1, Township 78, all of Lillooet District, of which 10 acres may be irrigated.

(*h*) The works authorized to be constructed are diversion structure and ditch,

which shall be located approximately as shown on the attached plan.

(*i*) The construction of the said works has been commenced and shall be completed and the water beneficially used on or before the 31st day of December, 1980.

H. D. DeBeck,
Comptroller of Water Rights.

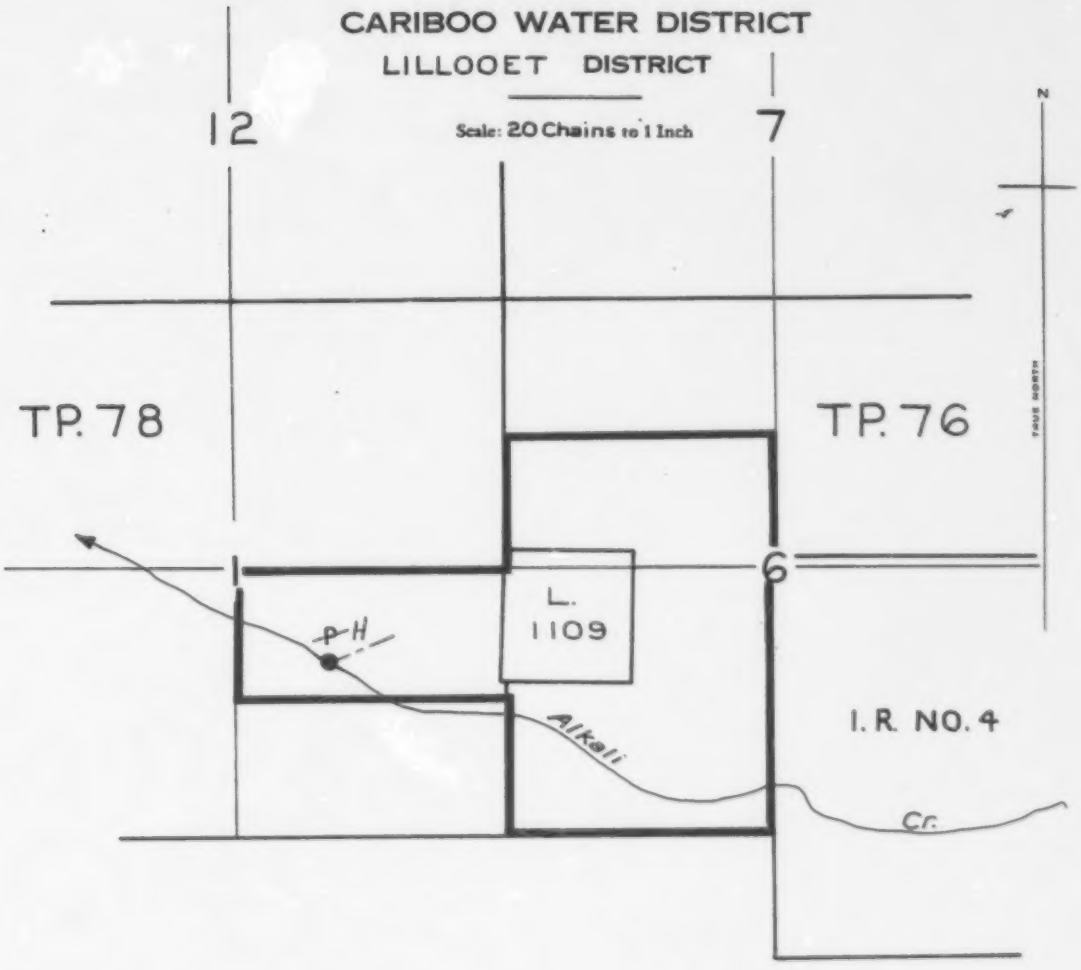
File No. 0342326 Date issued: 1st August, 1978 Conditional Licence No. 50647

ENTERED ON
Map No. 1106
By MW

British Columbia

CARIBOO WATER DISTRICT

LILLOOET DISTRICT



LEGEND

Point of Diversion
W.R. Map ~~110C~~ 92. O 090
Ditch

The boundaries of the land to which this licence is appurtenant are shown thus: ▬▬

Signature

Date 1st Aug. 1978

C.L. 50647
File 0342326

Dog Creek Precinct

WATER MANAGEMENT BRANCH

MINISTRY OF ENVIRONMENT

THE PROVINCE OF BRITISH COLUMBIA—WATER ACT

CONDITIONAL WATER LICENCE

Alkali Lake Indian Band of Alkali Lake, B. C. VOL 1BO

is hereby authorized to divert and use water as follows:

(a) The source of the water supply is Alixton Creek.

(b) The point of diversion is located as shown on the attached plan.

(c) The date from which this licence shall have precedence is 28th April, 1981.

(d) The purpose for which the water is to be used is irrigation, by flooding.

(e) The maximum quantity of water which may be diverted is 18 acre feet per annum, and such additional quantity as the Engineer may from time to time determine should be allowed for losses.

(f) The period of the year during which the water may be used is 1st March to 15th June.

(g) The land upon which the water is to be used and to which this licence is appurtenant is Indian Reserve No. 5, Alixton, Lillooet District, of which 16 acres may be irrigated.

(h) The works authorized to be constructed are dam and ditches, which shall be located approximately as shown on the attached plan.

(i) The construction of the said works shall be commenced on or before the 30th day of April, 1984, and shall be completed and the water beneficially used on or before the 31st day of December, 1986.

D. E. Farrell,
Deputy Comptroller of Water Rights.

File No. 0368449 Date issued: 17th October, 1983 Conditional Licence 59289

ENTERED ON
Map No. 1106
By GW

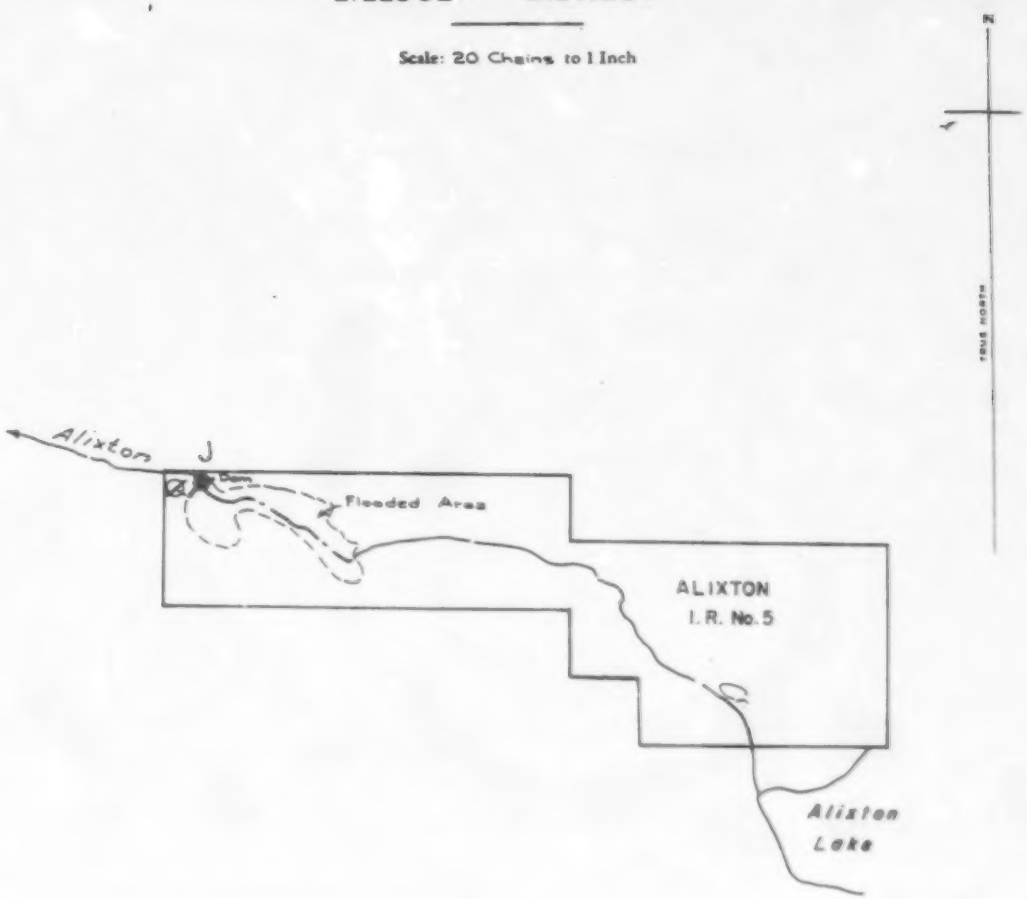
W-183

British Columbia

CARIBOO WATER DISTRICT

LILLOOET **DISTRICT**

Scale: 20 Chains to 1 Inch



LEGEND

Point of Diversion ●

W.R. Map U06 92-0 090

Ditch

The boundaries of the land to which this licence is appurtenant are shown thus: ▬▬

Signature

Date 17th Oct. 1983

CL 59289

File 0348449

Dog Creek Precinct

WATER MANAGEMENT BRANCH

MINISTRY OF ENVIRONMENT

THE PROVINCE OF BRITISH COLUMBIA—WATER ACT

CONDITIONAL WATER LICENCE

Alkali Lake Indian Band, of Alkali Lake, B. C. VOL 1BO

is hereby authorized to divert and use water as follows:

(a) The source of the water supply is Alixton Creek.

(b) The point of diversion is located as shown on the attached plan.

(c) The date from which this licence shall have precedence is 28th April, 1981.

(d) The purpose for which the water is to be used is irrigation, by flooding.

(e) The maximum quantity of water which may be diverted is 11 acre feet per annum, and such additional quantity as the Engineer may from time to time determine should be allowed for losses.

(f) The period of the year during which the water may be used is 1st March to 15th June.

(g) The land upon which the water is to be used and to which this licence is appurtenant is Indian Reserve No. 5, Alixton, Lillooet District of which 8.4 acres may be irrigated.

(h) The works authorized to be constructed are dam and ditches, which shall be located approximately as shown on the attached plan.

(i) The construction of the said works shall be commenced on or before the 30th day of April, 1984, and shall be completed and the water benficially used on or before the 31st day of December, 1986.

W. E. Farrell,
Deputy Comptroller of Water Rights.

File No. 0368450 Date issued: 17th October, 1983 Conditional Licence 59290

ENTERED ON
Map No. 1196
By CW

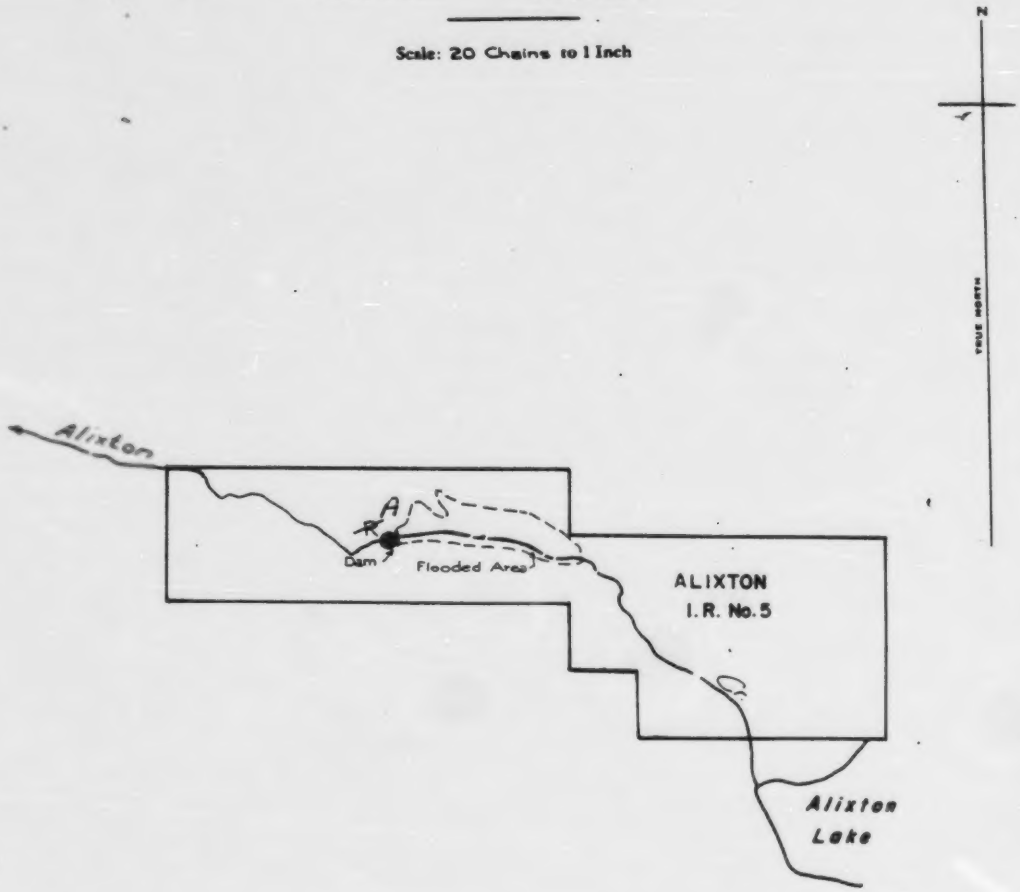
W-183

British Columbia

CARIBOO WATER DISTRICT

LILLOOET DISTRICT

Scale: 20 Chains to 1 Inch



LEGEND

Point of Diversion ●

W.R. Map ~~HOG~~ 92·O·080

Ditch

The boundaries of the land to which this licence is appurtenant are shown thus: ▬▬

Signature [signature]

Date 17th Oct. 1983

C.L. 59290

File 0368450

Dog Creek Precinct

WATER MANAGEMENT BRANCH

MINISTRY OF ENVIRONMENT

THE PROVINCE OF BRITISH COLUMBIA—WATER ACT

CONDITIONAL WATER LICENCE

Alkali Lake Indian Band, of Alkali Lake, B. C. VOL 1BO

is hereby authorized to store water as follows:

(a) The source of the water supply is Alixton Creek.

(b) The point of storage is located as shown on the attached plan.

(c) The date from which this licence shall have precedence is 28th April, 1981.

(d) The purpose for which the water is to be used is conservation.

(e) The maximum quantity of water which may be stored is 11 acre feet per annum, and such additional quantity as the Engineer may from time to time determine should be allowed for losses.

(f) The period of the year during which the water may be stored is 1st October to 15th June.

(g) This licence is appurtenant to the conservation undertaking of the licensee within Indian Reserve No. 13, Pete Suckers and unsurveyed Crown land, Lillooet District.

(h) The works authorized to be constructed are dam, which shall be located approximately as shown on the attached plan.

(i) The construction of the said works shall be commenced on or before the 30th day of April, 1984, and shall be completed and the water beneficially used on or the 31st day of December, 1986.

J. E. Farrell,
Deputy Comptroller of Water Rights.

File No. 0368451 Date issued: 17th October, 1983 Conditional Licence 59291

ENTERED ON
Map No. 104
By

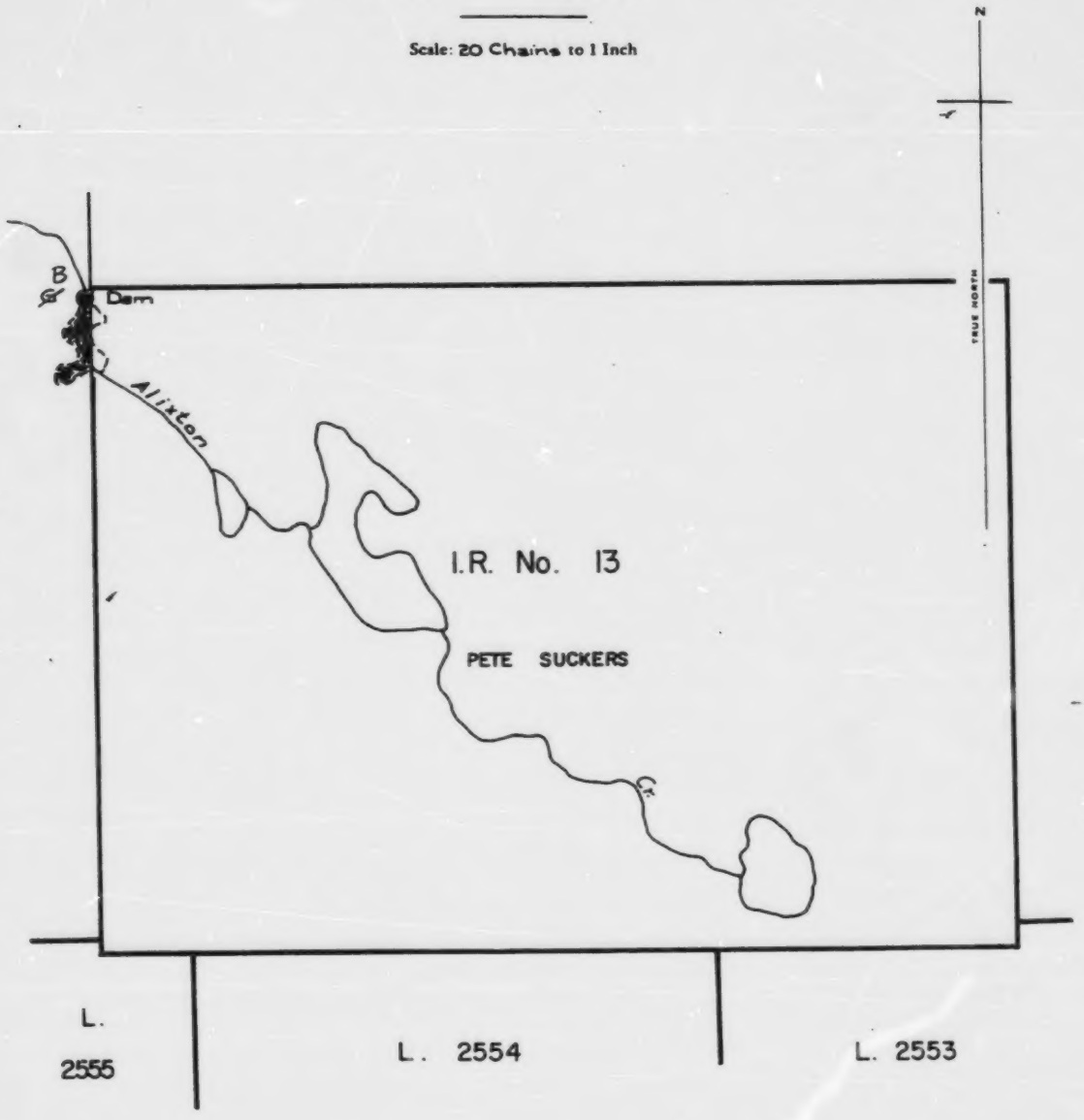
W-183

British Columbia

CARIBOO WATER DISTRICT

LILLOOET DISTRICT

Scale: 20 Chains to 1 Inch



LEGEND

Point of Diversion ●

W.R. Map ~~104~~ 92·0·080

Flooding Permit over Crown Land

Signature [signature]

Date 17th Oct. 1983

C.L. 59291

File 0368451

Pcl. No. 13852

Dog Creek Precinct

WATER MANAGEMENT BRANCH

MINISTRY OF ENVIRONMENT

THE PROVINCE OF BRITISH COLUMBIA—WATER ACT

CONDITIONAL WATER LICENCE

Alkali Lake Indian Band of Alkali Lake, B. C. VOL 1BO

is hereby authorized to divert and use water as follows:

(a) The source of the water supply is Alixton Creek.

(b) The point of diversion is located as shown on the attached plan.

(c) The date from which this licence shall have precedence is 28th April, 1981.

(d) The purpose for which the water is to be used is irrigation, by flooding.

(e) The maximum quantity of water which may be diverted is 15 acre feet per annum, and such additional quantity as the Engineer may from time to time determine should be allowed for losses.

(f) The period of the year during which the water may be used is 1st March to 15th June.

(g) The land upon which the water is to be used and to which this licence is appurtenant is Indian Reserve No. 13, Pete Suckers, Lillooet District, of which 17 acres may be irrigated.

(h) The works authorized to be constructed are dam and ditch, which shall be located approximately as shown on the attached plan.

(i) The construction of the said works shall be commenced on or before the 30th day of April, 1984, and shall be completed and the water beneficially used on or before the 31st day of December, 1986.

D. E. Farrell,
Deputy Comptroller of Water Rights.

File No. 0368452 Date issued: 17th October, 1983 Conditional Licence 59292

ENTERED ON
Map No. 1104
By

W-183

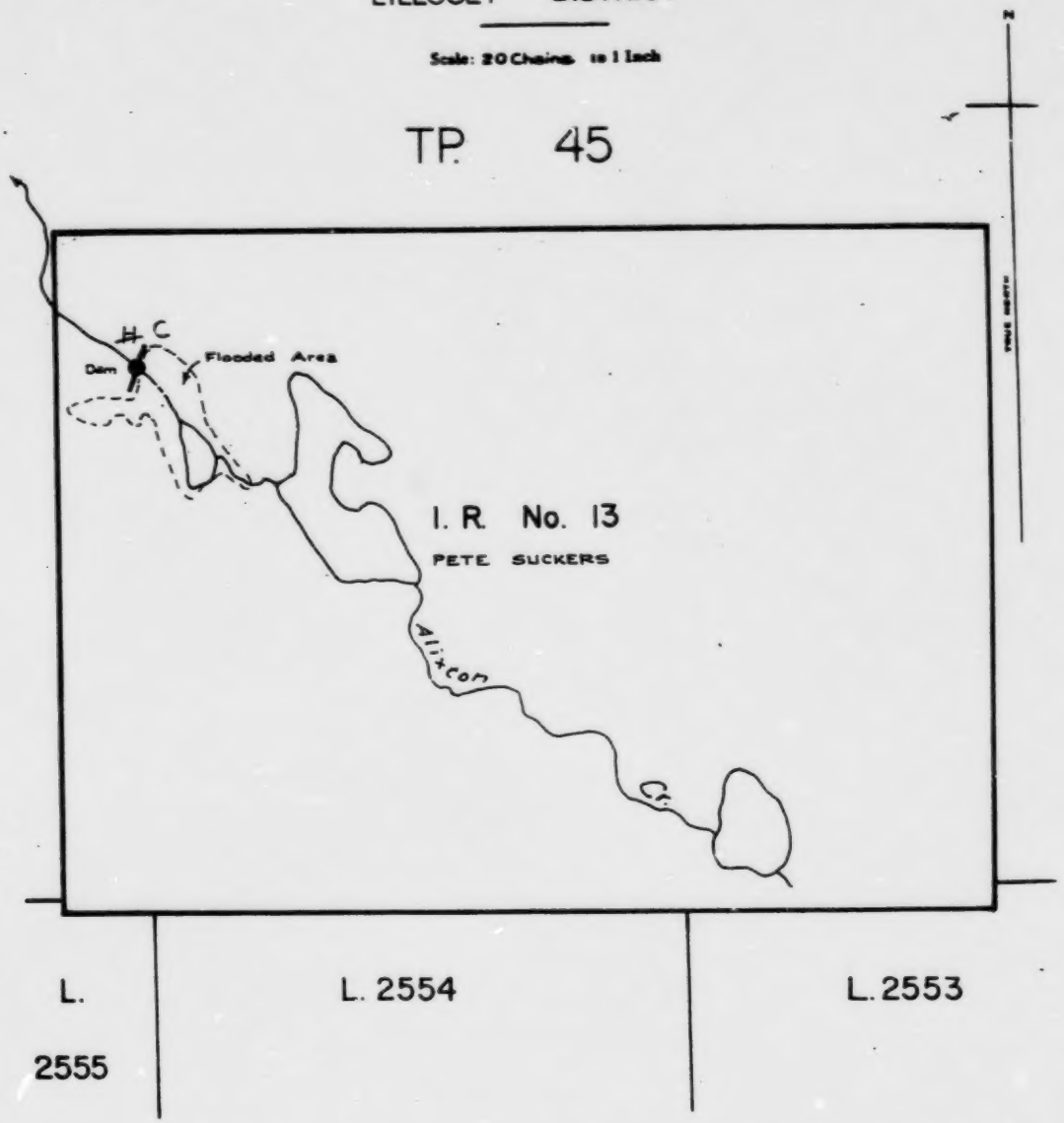
British Columbia

CARIBOO WATER DISTRICT

LILLOOET DISTRICT

Scale: 20 Chains to 1 Inch

TP 45



LEGEND

Point of Diversion ●

W.R. Map ~~1108~~ 72-

Ditch

The boundaries of the land to which this licence is appurtenant are shown thus: ▬▬

Signature

Date 17th Oct. 1983

C.L. 59292

File 0368452

Dog Creek Precinct

WATER MANAGEMENT BRANCH

MINISTRY OF ENVIRONMENT

THE PROVINCE OF BRITISH COLUMBIA—WATER ACT

CONDITIONAL WATER LICENCE

Alkali Lake Indian Band of Alkali Lake, B. C. VOL 1BO

is hereby authorized to store water as follows:

(a) The source of the water supply is Alixton Creek.

(b) The point of storage is located as shown on the attached plan.

(c) The date from which this licence shall have precedence is 28th April, 1981.

(d) The purpose for which the water is to be used is conservation.

(e) The maximum quantity of water which may be stored is 50 acre feet per annum, and such additional quantity as the Engineer may from time to time determine should be allowed for losses.

(f) The period of the year during which the water may be stored is 1st October to 15th June.

(g) This licence is appurtenant to the conservation project of the licensee within Indian Reserve No. 13, Pete Suckers, Lillooet District.

(h) The works authorized to be constructed are dam, which shall be located approximately as shown on the attached plan.

(i) The construction of the said works shall be commenced on or before the 30th day of April, 1984, and shall be completed and the water beneficially used on or before the 31st day of December, 1986.

(j) Construction of the dam authorized under clause (h) hereof shall not be commenced until plans of same have been submitted to and approved by the Engineer for the Cariboo Water District.

K. E. Farrell,
Deputy Comptroller of Water Rights.

File No. 0368454 Date issued: 17th October, 1983 Conditional Licence 59293

ENTERED ON
Map No. 11 O 11
By

W-183

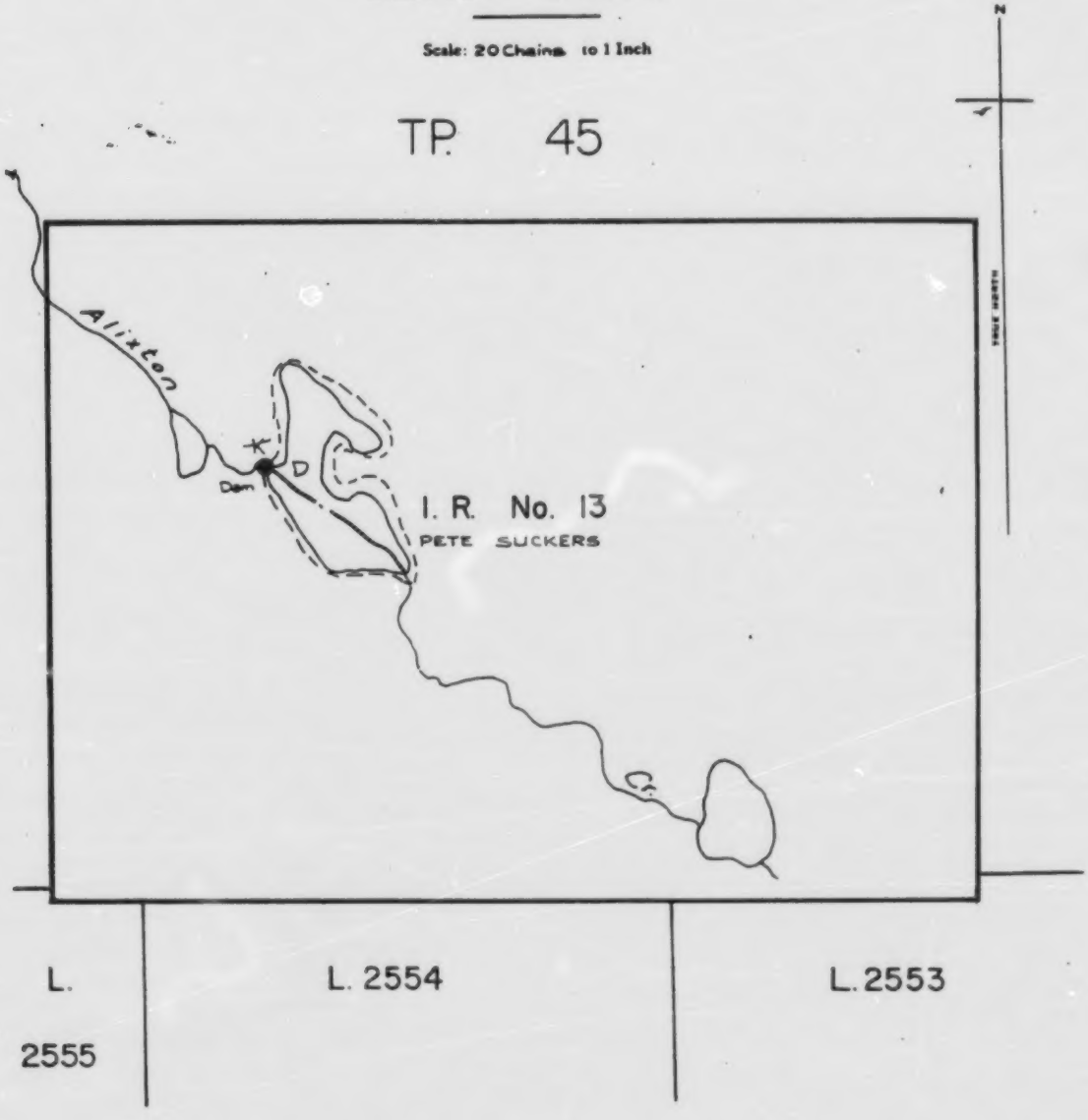
British Columbia

CARIBOO WATER DISTRICT

LILLOOET DISTRICT

Scale: 20 Chains to 1 Inch

TP. 45



LEGEND

Point of Diversion ●

W.R. Map ~~1104~~ 72-0 020

Ditch ——·——

The boundaries of the land to which this licence is appurtenant are shown thus: ▬▬

Signature [signature]

Date 17th Oct 1983

C.L. 59293

File 0368454

Dog Creek Precinct

WATER MANAGEMENT BRANCH

MINISTRY OF ENVIRONMENT

THE PROVINCE OF BRITISH COLUMBIA—WATER ACT

CONDITIONAL WATER LICENCE

Alkali Lake Indian Band of Alkali Lake, B. C. VOL 1BO

is hereby authorized to divert and use water as follows:

(a) The source of the water supply is Alixton Creek.

(b) The point of diversion is located as shown on the attached plan.

(c) The date from which this licence shall have precedence is 28th April, 1981.

(d) The purpose for which the water is to be used is irrigation, by flooding.

(e) The maximum quantity of water which may be diverted is 8 acre feet per annum, and such additional quantity as the Engineer may from time to time determine should be allowed for losses.

(f) The period of the year during which the water may be used is 1st March to 15th June.

(g) The land upon which the water is to be used and to which this licence is appurtenant is Indian Reserve No. 13, Pete Suckers, Lillooet District of which 4 acres may be irrigated.

(h) The works authorized to be constructed are dam, which shall be located approximately as shown on the attached plan.

(i) The construction of the said works shall be commenced on or before the 30th day of April, 1984, and shall be completed and the water beneficially used on or before the 31st day of December, 1986.

D. E. Farrell,
Deputy Comptroller of Water Rights.

File No. 0368456 Date issued: 17th October, 1983 Conditional Licence 59294

ENTERED ON
Map No. 1104
By CW

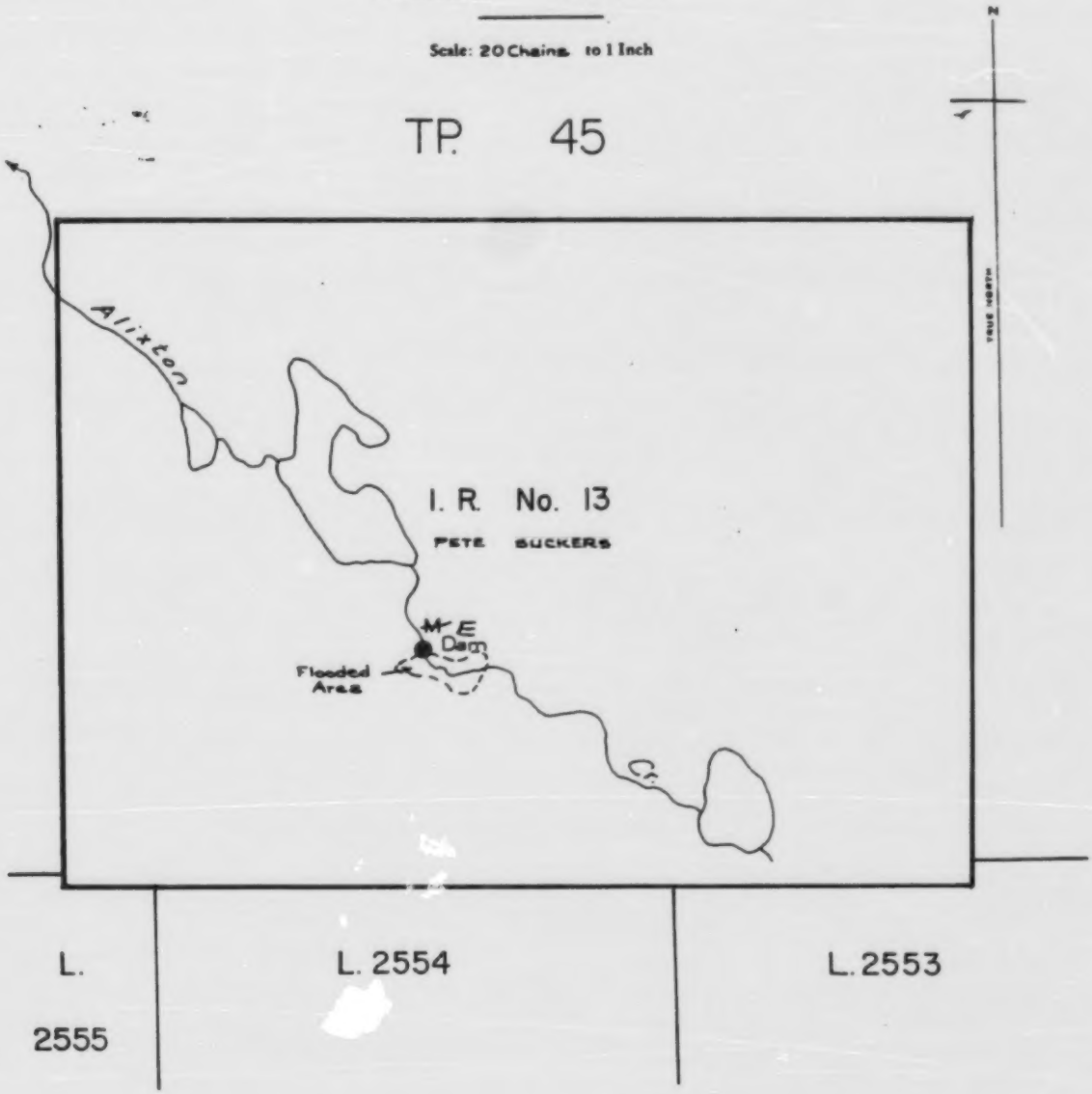
British Columbia

CARIBOO WATER DISTRICT

LILLOOET DISTRICT

Scale: 20 Chains to 1 Inch

TP. 45



LEGEND

Point of Diversion ●
W.R. Map ~~H04~~ 92·0·080

The boundaries of the land to which this licence is appurtenant are shown thus: ▬▬

Signature [signature]

Date 17th Oct. 1983

C.L. 59294
File 0368456

Dog Creek Precinct

✓

WATER MANAGEMENT BRANCH

MINISTRY OF ENVIRONMENT

THE PROVINCE OF BRITISH COLUMBIA—WATER ACT

CONDITIONAL WATER LICENCE

Alkali Lake Indian Band and Phillip & Kimberly Marthens, c/o Ducks Unlimited (Canada), 1290 South Mackenzie Avenue, Williams Lake, B. C. V2G 3Y1

are hereby authorized to store water and to place works in and about the stream for the preservation of wildlife as follows:

(a) The source of the water-supply is Alixton Creek.

(b) The point of storage is located as shown on the attached plan.

(c) The date from which this licence shall have precedence is 28th April, 1981.

(d) The purpose for which this licence is issued is conservation.

(e) The maximum quantity of water which may be stored is 227 acre-feet per annum.

(f) The period of the year during which the water may be stored is 1st October to 15th June.

(g) This licence is appurtenant to the conservation project of the licensees within Pete Suckers Indian Reserve #13, Lots 264, 2554 and 2553; all of Lillooet District.

(h) The works authorized to be constructed are dams, controls, ditches and nesting islands, which shall be located approximately as shown on the attached plan.

(i) The construction of the said works shall be completed and the water beneficially used on or before the 31st day of December, 1989.

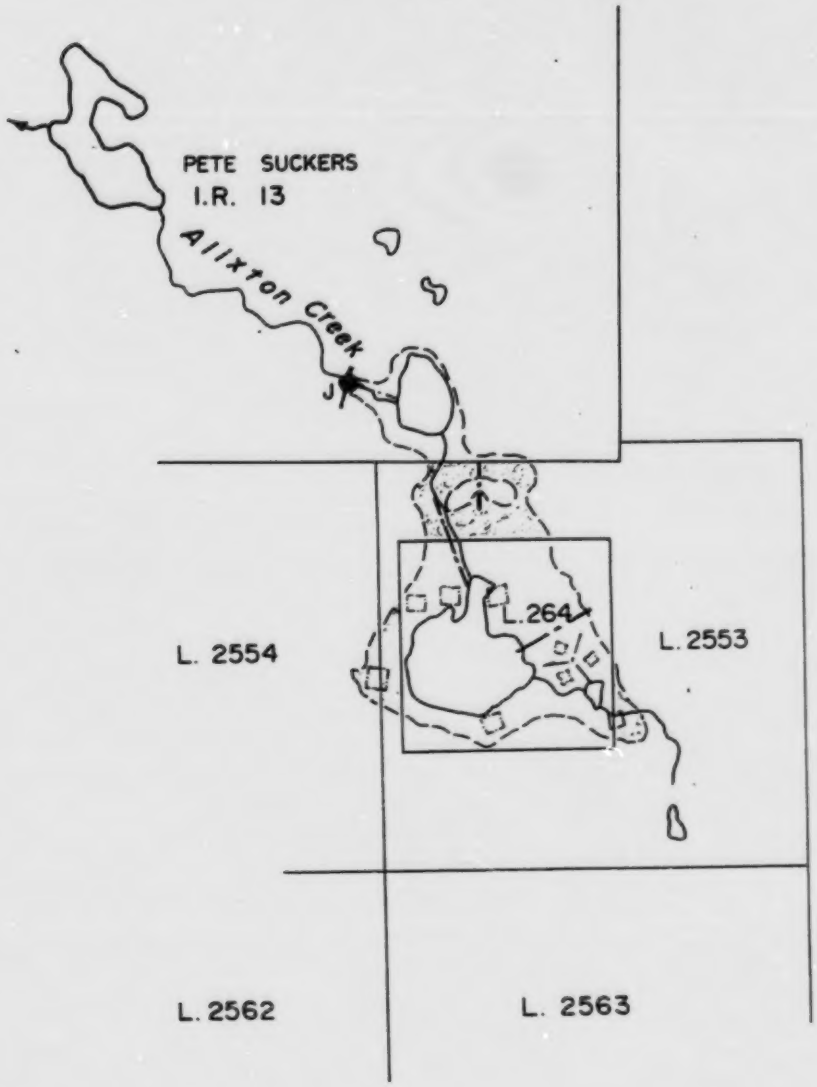
(j) The rights granted under this licence may be deemed to be subsequent to any rights granted under any licence or licences that may be issued at any time for the consumptive use of water.

Allan D. Zackodnik

A. D. Zackodnik, P. Eng.
Regional Water Manager

File No. 0368457 Date issued: 11th December, 1985 Conditional Licence 60165

Province of British Columbia



WATER DISTRICT : CARIBOO
PRECINCT : DOG CREEK
LAND DISTRICT : LILLOOET

LEGEND

Scale : 1:20000
Dam :
Map Number : WR 92-0-080
Ditch :
Permit over Crown Land:
Nesting Island :

Signature

Date 11th December 1985

C.L. 60165
File 0368457
P.C.L. 15238

ORDER

WATER ACT

SECTION 15

File Number 0368455

In the matter of Conditional Water Licence 60166 which authorizes the storage of water from Nesting Brook for conservation purpose.

Having determined that clause (e) of said licence was erroneously stated, I hereby amend clause (e) to read as follows:

(e) The maximum quantity of water which may be stored is 13 acre-feet per annum.

* *

Dated at Williams Lake, British Columbia this 25th of April, 1986

A. D. Zackodnik, P. Eng.
Regional Water Manager

WATER MANAGEMENT BRANCH

MINISTRY OF ENVIRONMENT

THE PROVINCE OF BRITISH COLUMBIA—WATER ACT

CONDITIONAL WATER LICENCE

Alkali Lake Indian Band, c/o Ducks Unlimited (Canada), 1290 South Mackenzie Avenue, Williams Lake, B. C. V2G 3Y1

is hereby authorized to store water and to place works in and about the stream for the preservation of wildlife as follows:

(a) The source of the water-supply is Nesting Brook.

(b) The point of storage is located as shown on the attached plan.

(c) The date from which this licence shall have precedence is 28th April, 1981.

(d) The purpose for which this licence is issued is conservation.

(e) The maximum quantity of water which may be stored is 13 acre-feet.

(f) The period of the year during which the water may be stored is 1st October to 15th June.

(g) This licence is appurtenant to the conservation project of licensee within Indian Reserve #13, Pete Suckers, Lillooet District.

(h) The works authorized to be constructed are dam and controls, ditch and nesting islands, which shall be located approximately as shown on the attached plan.

(i) The construction of the said works has been completed and the water beneficially used on or before the 31st day of December, 1986.

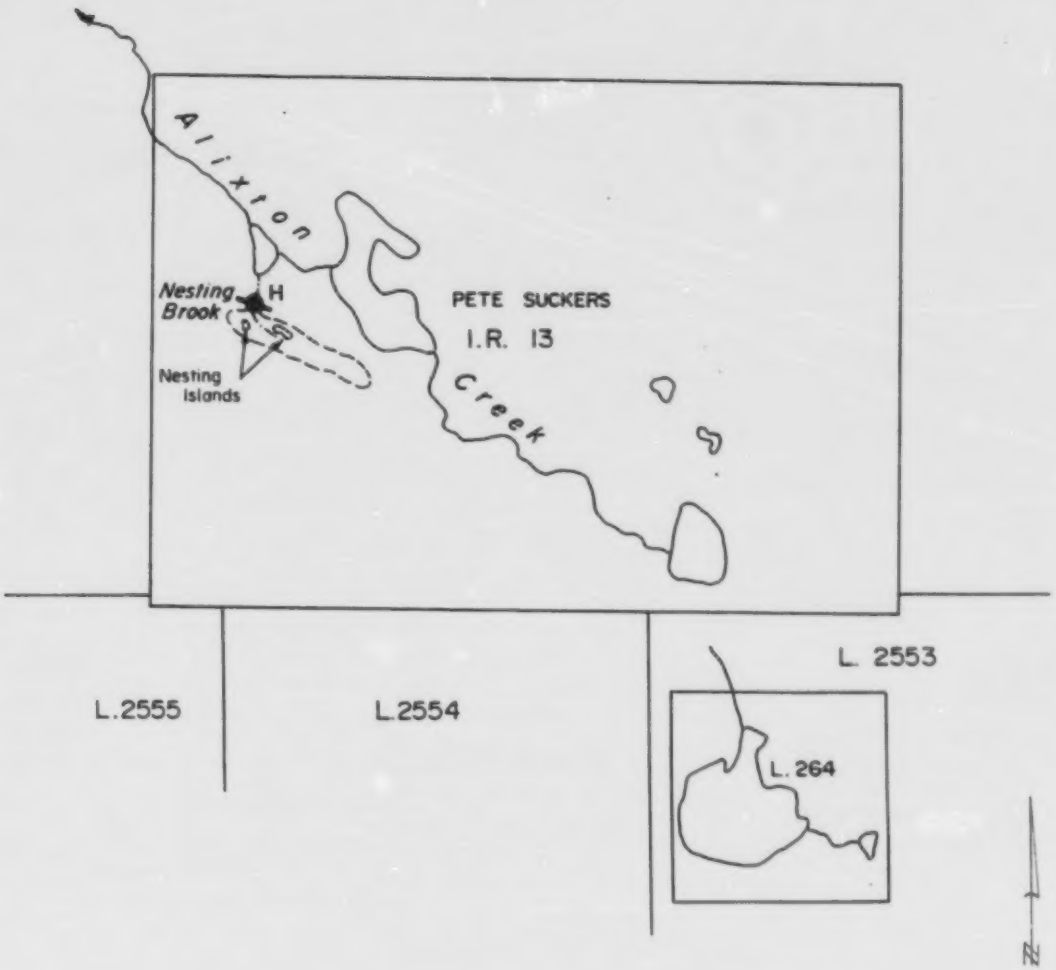
(j) The rights granted under this licence may be deemed to be subsequent to any rights granted under any licence or licences that may be issued at any time for the consumptive use of water.

AMENDED 25.4.86

A. D. Zackodnik, P. Eng.
Regional Water Manager

File No. 0368455 Date issued: 11th December, 1985 Conditional Licence 60166

Province of British Columbia



WATER DISTRICT : CARIBOO
PRECINCT : DOG CREEK
LAND DISTRICT : LILLOOET

LEGEND

Scale : 1:20000
Dam : ●
Map Number : WR 92-0-080
Flooded Limit : - - - -
Ditch : —·—

Signature [signature]
Date 11th December 1985

C.L. 60166
File 0368455

O R D E R

W A T E R A C T

S E C T I O N 15

File Number 0369326

In the matter of Conditional Water Licence 60169 which authorizes the storage of water from Alixton Creek and the reservoir is Alixton Lake for conservation purpose.

Having determined that clause (e) of said licence was erroneously stated, I hereby amend clause (e) to read as follows:

(e) The maximum quantity of water which may be stored is 320 acre-feet per annum.

* *

Dated at Williams Lake, British Columbia this 25th of April, 1986

Allan D Zackodnik

A. D. Zackodnik, P. Eng.
Regional Water Manager

WATER MANAGEMENT BRANCH

MINISTRY OF ENVIRONMENT

THE PROVINCE OF BRITISH COLUMBIA—WATER ACT

CONDITIONAL WATER LICENCE

Alkali Lake Indian Band, c/o Ducks Unlimited (Canada), 1290 South Mackenzie Avenue, Williams Lake, B. C. V2G 3Y1

is hereby authorized to store water and to place works in and about the stream for the preservation of wildlife as follows:

(a) The source of the water-supply is Alixton Creek and the reservoir is Alixton Lake.

(b) The point of storage is located as shown on the attached plan.

(c) The date from which this licence shall have precedence is 16th October, 1981.

(d) The purpose for which this licence is issued is conservation.

(e) The maximum quantity of water which may be stored is 320 acre-feet.

(f) The period of the year during which the water may be stored is 1st October to 30th June.

(g) This licence is appurtenant to the conservation project of the licensee within Alixton Indian Reserve No. 5 and unsurveyed Crown Land, all of Lillooet District.

(h) The works authorized to be constructed are dam, ditch and nesting islands, which shall be located approximately as shown on the attached plan.

(i) The construction of the said works has been completed and the water shall be beneficially used on or before the 31st day of December, 1986.

(j) The dam authorized under clause (h) herefore shall be constructed to standards acceptable to an Engineer under the Water Act.

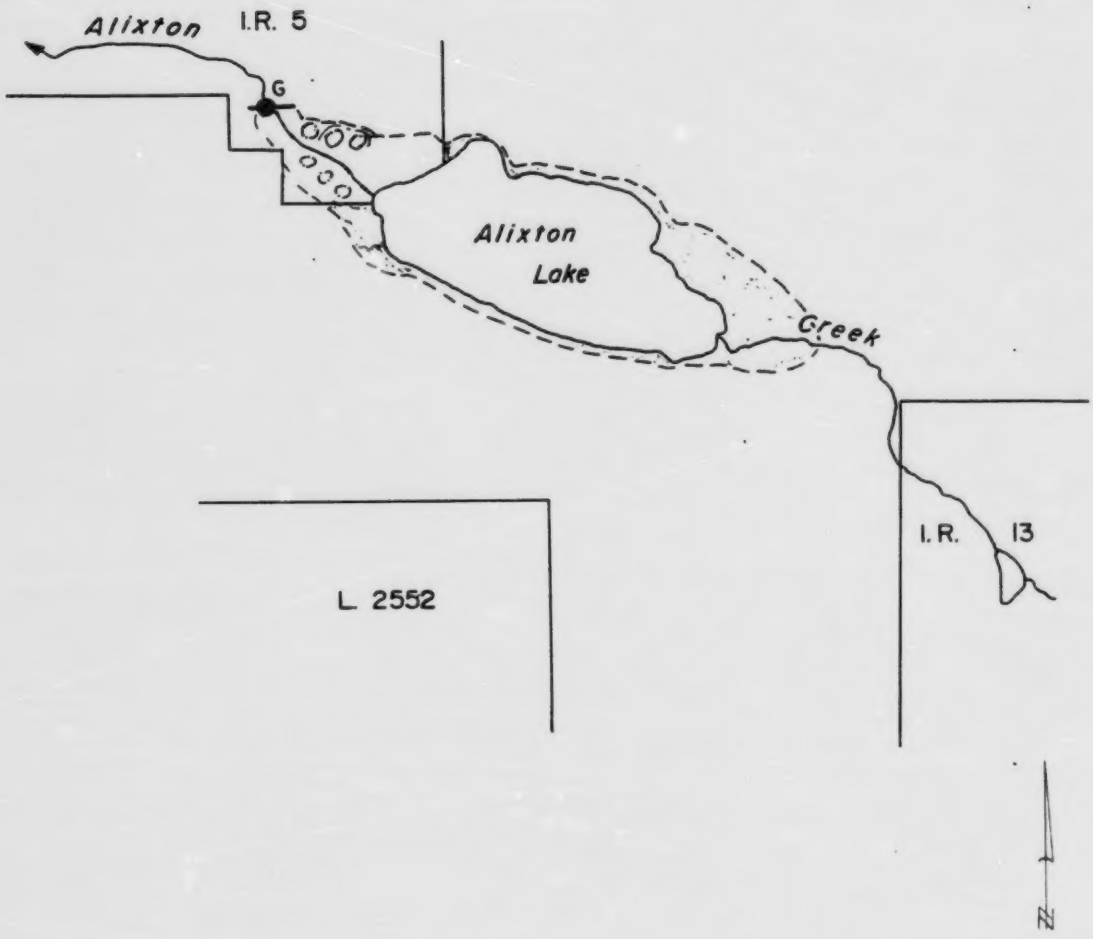
(k) The rights granted under this licence may be deemed to be subsequent to any rights granted under any licence or licences that may be issued at any time for the consumptive use of water.

AMENDED 25.4.86

A. D. Zackodnik, P. Eng.
Regional Water Manager

File No. 0369326 Date issued: 11th December, 1985 Conditional Licence 60169

Province of British Columbia



WATER DISTRICT : CARIBOO
PRECINCT : DOG CREEK
LAND DISTRICT : LILLOOET

LEGEND

Scale	:	1: 20000
Dam	:	●
Map Number	:	WR 92-0-080
Ditch	:	
Permit over Crown Land	:	
Nesting Island	:	

Signature: [signature]

Date 11th December 1985

C.L. 60169
File 0369326
P.C.L. 15241

WATER MANAGEMENT BRANCH

MINISTRY OF ENVIRONMENT AND PARKS

THE PROVINCE OF BRITISH COLUMBIA — WATER ACT

CONDITIONAL WATER LICENCE

Alkali Lake Indian Band and the Department of Indian & Northrn Affairs of P.O. Box 4479, Williams Lake, B.C., V2G 2V5 are hereby authorized to divert and use water as follows:

(a) The stream on which the rights are granted is Patrick Creek.

(b) The point of diversion is located as shown on the attached amended plan.

(c) The date from which this licence shall have precedence is 27th August, 1958.

(d) The purposes for which this licence is issued are irrigation and domestic.

(e) The maximum quantity of water which may be diverted for irrigation purpose is 75 acre feet per annum and for domestic purpose is 30,000 gallons a day.

(f) Water may be used for irrigation purpose 1st April to 30th September and for domestic purpose the whole year.

(g) The land upon which the water is to be used and to which this licence is appurtenant is Indian Reserve No. 1, Alkali Lake, Lillooet District, of which 25 acres may be irrigated.

(h) The works authorized to be constructed are ditch, tank and pipe, which shall be located approximately as shown on the attached amended plan.

(i) The construction of said works has been completed and the water is being beneficially used. Hereafter, the licensee shall continue to make regular beneficial use of water in the manner authorized herein.

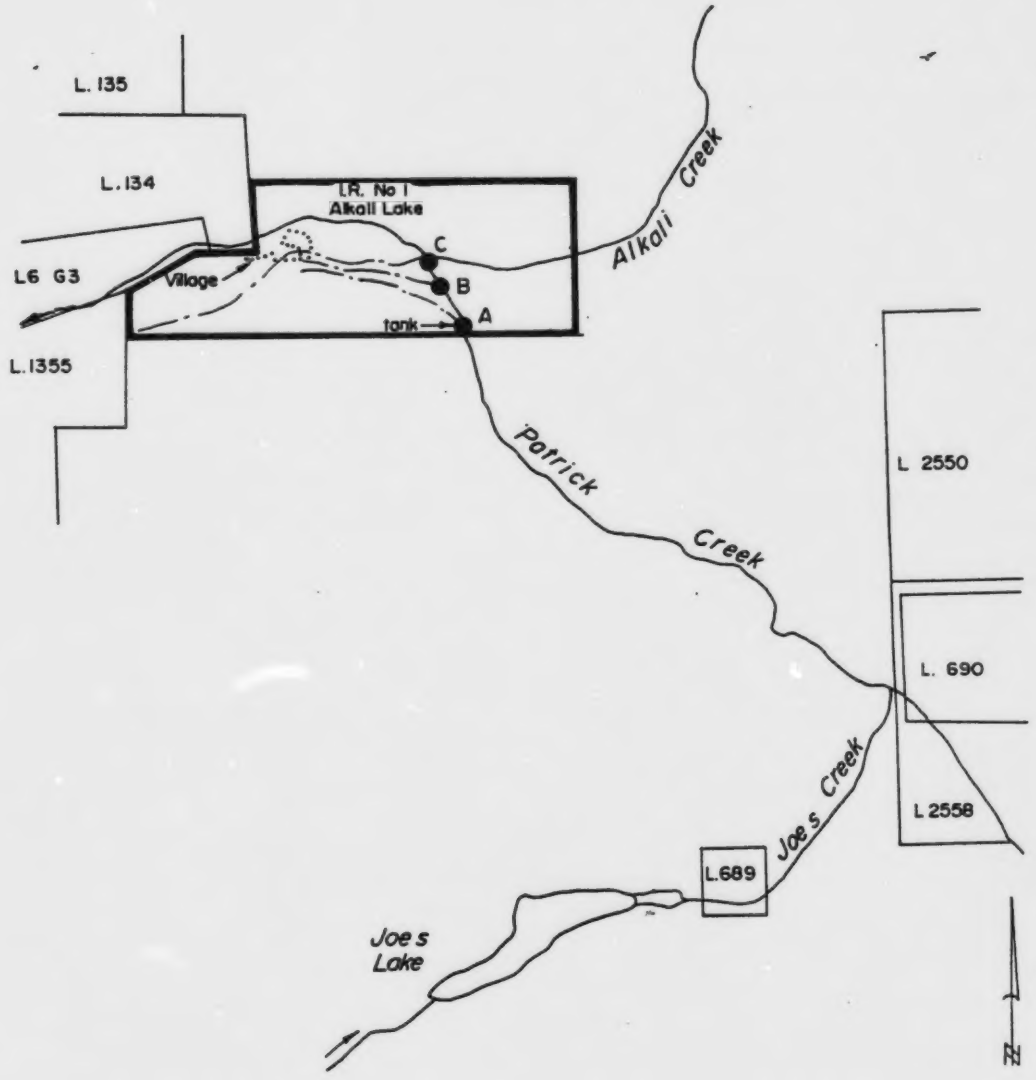
(j) This licence is issued in substitution of Conditional Licence 25836.

D W Roberts

D. W. Roberts, P. Eng.
Regional Water Manager

File No. 0222040 Date Issued: NOV ?? 1990 Conditional Licence 69073

Province of British Columbia



WATER DISTRICT : CARIBOO
PRECINCT : DOG CREEK
LAND DISTRICT : LILLOOET

LEGEND

Scale : 1:31680
Point of Diversion : ●
Map Number : WR 92-0-079
Pipe & Ditch : —·—

Signature J.W. Robert
Date NOV 22 1990

C.L. 69073 for CL 25836
File 0222040
For Storage see CL 69074

The boundaries of the land to which this licence is appurtenant are shown thus: ———

WATER MANAGEMENT BRANCH

MINISTRY OF ENVIRONMENT AND PARKS

THE PROVINCE OF BRITISH COLUMBIA — WATER ACT

CONDITIONAL WATER LICENCE

Alkali Lake Indian Band and the Department of Indian & Northern Affairs of P.O. Box 4479, Willams Lake, B.C., V2G 2V5 are hereby authorized to store water as follows:

(a) The stream on which the rights are granted is Joes Creek and the reservoir is Joes Lake.

(b) The point of storage is located as shown on the attached amended plan.

(c) The date from which this licence shall have precedence is 27th August, 1958.

(d) The purpose for which this licence is issued is as set out in Conditional Water Licence No. 69073.

(e) The maximum quantity of water which may be stored is 75 acre feet per annum.

(f) Water may be stored 1st October to 15th June.

(g) The land upon which the water is to be used and to which this licence is appurtenant is as set out in Conditional Water Licence No. 69073.

(h) The works authorized to be constructed are dams, which shall be located approximately as shown on the attached amended plan.

(i) The construction of said works has been completed and the water is being beneficially used. Hereafter, the licensee shall continue to make regular beneficial use of water in the manner authorized herein.

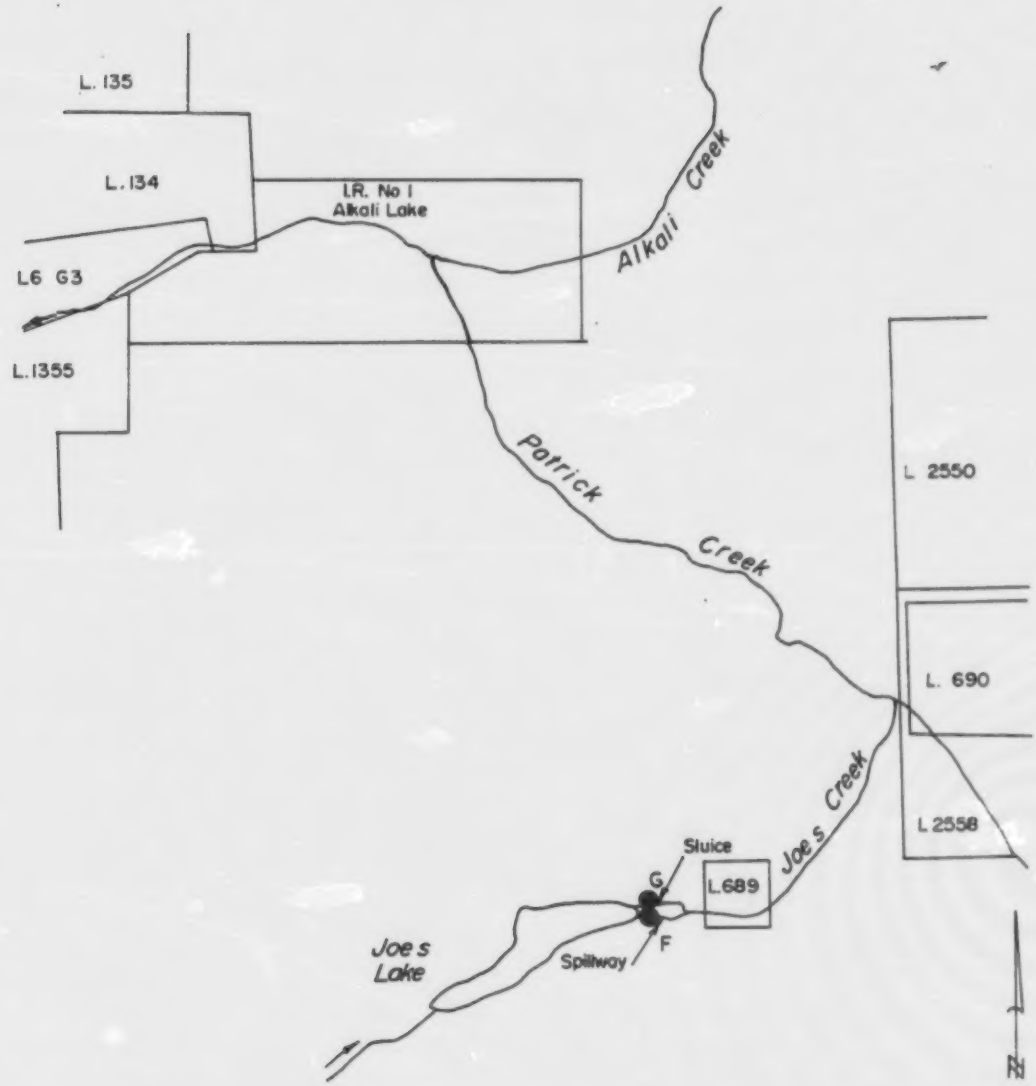
(j) This licence is issued in substitution of Conditional Licence 25837.

D. W. Roberts

D. W. Roberts, P. Eng.
Regional Water Manager

File No. 0222040 Date Issued: NOV 22 1990 Conditional Licence 69074

Province of British Columbia



WATER DISTRICT : CARIBOO
PRECINCT : DOG CREEK
LAND DISTRICT : LILLOOET

LEGEND

Scale : 1:31680
Dam : ●
Map Number : WR 92-0-079

Permit over Crown Land: ●

Signature O.W. Robert
Date NOV 22 1990

C.L. 69074 for CL 25837
File 0222040
P.C.L. 16922
For Diversion See CL 69073

W.R.B. 2—1M-'39

PROVINCE OF BRITISH COLUMBIA.

WATER RIGHTS BRANCH.

DEPARTMENT OF LANDS.

FINAL WATER LICENCE.

The Superintendent-General of Indian Affairs of Ottawa, Canada, is hereby authorized to divert and use water as follows:—

(*a.*) The source of the water-supply is **Alkali creek,**

a tributary of **Alkali lake.**

(*b.*) The point of diversion from the stream is located as shown in the Exhibit marked "A" hereto attached.

(*c.*) The date from which this licence shall have precedence is **20th November, 1918.**

(*d.*) The purpose for which the water is to be used is **irrigation and domestic.**

(*e.*) The maximum quantity of water which may be diverted from the stream is **360 acre feet per annum of which quantity 2500 gallons a day may be used for domestic purpose.**

(*f.*) The period of the year during which the water may be used is **for irrigation is 1st April to 30th September and for domestic use the whole year.**

(*g.*) The land upon which the water may be used is **143 acres being part of Indian Reserve No.1, Alkali Lake**

as shown in the said Exhibit "A."

(*h.*) The works for the diversion and the carriage of the water consist of **ditches and headgates.**

(*i.*) This licence is issued in substitution of Conditional Water Licence No. **5415.**

Date issued **February 20,1937.**

J. Macdonald
Comptroller of Water Rights.

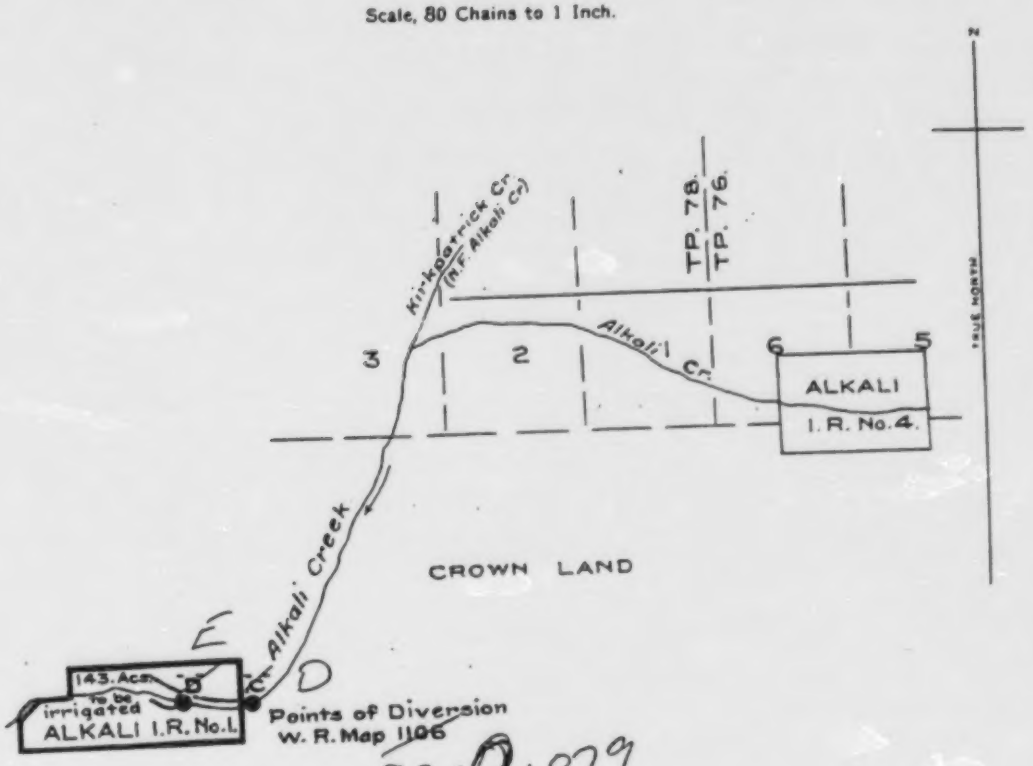
File No. **07650**

Licence No. **9848**

To accompany Final Licence No. 9848

CARIBOO WATER DISTRICT.

Scale, 80 Chains to 1 Inch.



92-O.079

LILLOOET LAND DISTRICT

Signature J. Macdonald

Date 20th Feb. 1937

F. L. (9848) for C.L. 5415

For Storage see F.L. 9849 File 0 7650

EXHIBIT "A"

W.R.B. 2—15. 439

PROVINCE OF BRITISH COLUMBIA. | WATER RIGHTS BRANCH. | DEPARTMENT OF LANDS.

FINAL WATER LICENCE.

The Superintendent-General of Indian Affairs of Ottawa, Canada, is hereby authorized to ~~divert~~ store ~~and use~~ water as follows:—

(*a.*) The source of the water-supply is **Alkali creek and the reservoir is on Indian Reserve #4.** ~~a tributary of~~

(*b.*) The point of ~~diversion from the stream~~ storage is located as shown in the Exhibit marked "A" hereto attached.

(*c.*) The date from which this licence shall have precedence is **20th November, 1918.**

(*d.*) The purpose for which the water is to be used is **as set out in Final Water Licence No. 9848**

(*e.*) The maximum quantity of water which may be ~~diverted~~ stored from the stream is **360 acre feet per annum**

(*f.*) The period of the year during which the water may be ~~used~~ stored is **1st October to 15th June.**

(*g.*) The land upon which the water may be used is **as set out in Final Water Licence No. 9848**

as shown in the said Exhibit "A."

(*h.*) The works for the ~~diversion and the conveyance~~ storage of the water consist of **earth dam, 18.5' high, 650' long.**

(*i.*) This licence is issued in substitution of Conditional Water Licence No. **5416.**

Date issued **February 20,1937.**

Comptroller of Water Rights.

File No. **07650**

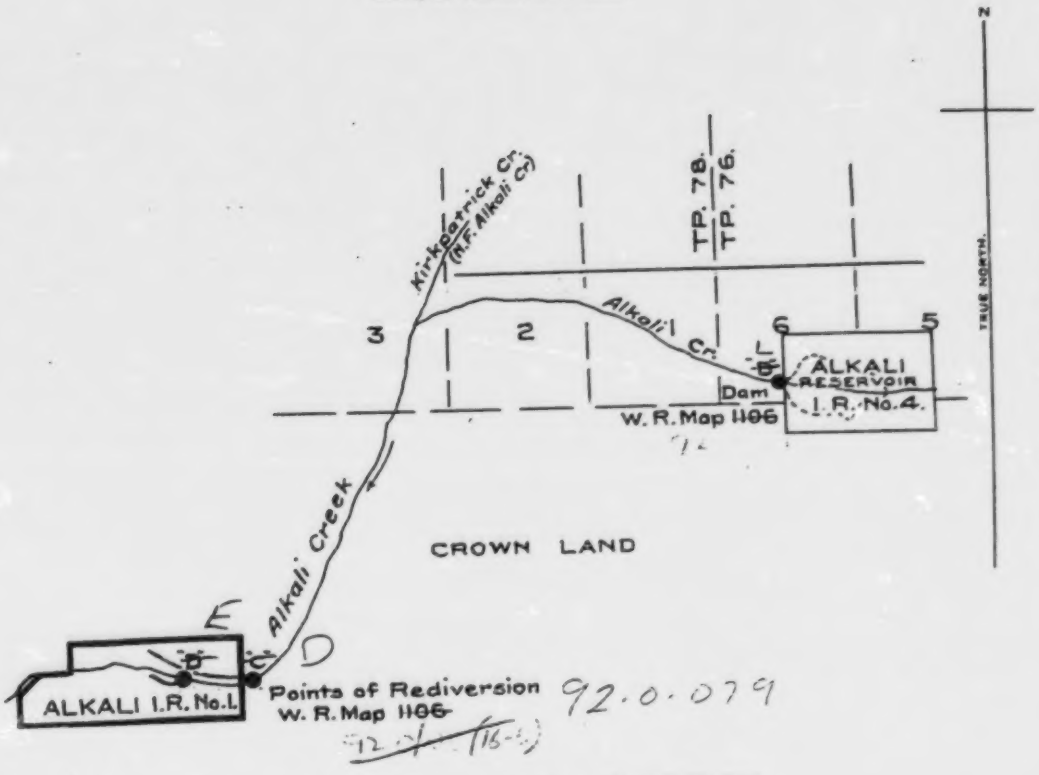
Licence No. **9849**

British Columbia.

To accompany Final Licence No. 9849

CARIBOO WATER DISTRICT.

Scale, 80 Chains to 1 Inch.



Signature J. Macdonald

Date 20th Feb. 1937

F.L. 9849 for C.L. 5416

For Diversion see F.L. 9848 File 0 7650

EXHIBIT "A"

Province of British Columbia
Ministry of Environment, Lands and Parks
Water M[illegible]nagement

(989-711-3210)

WATER LICENCE APPLICATION
Water Act, Section 8

PLEASE REFER TO GUIDELINES WHEN COMPLETING THIS APPLICATION

FOR OFFICE USE ONLY

RECEIVED
JUL 25 1995
B.C. ENVIRONMENT
Williams Lake, British Columbia

FILE# 5001529 WLIS# Z109935

1. NAME & MAILING ADDRESS

SURNAME: [illegible]ALI LAKE INDIAN BAND
GIVEN NAME(S): ck # 17751 (+I.A. ck # 3357)
MAILING ADDRESS: [illegible]OX 4479
POSTAL CODE: V2G 2V5
[illegible]LLIAMS LAKE, B.C.
BUSINESS / MESSAGE PHONE#: [illegible]604) 440-5611
HOME PHONE#:
FAX#: (604) 440-5721
Do you hold another water licence? Yes ☒ No ☐
LICENCE / FILE NUMBERS (IF KNOWN):

2. PLACE OF USE – Legal description of property where water is to be used.

IR#1 - Alkali Lake IR 4A
[illegible]#4 - Sandy Harry

TENURE – LAND: Registered Owner ☒
LESSEE / OTHER:
CERTIFICATE OF TITLE / PARCEL IDENTIFICATION NUMBER (PID#):
Copy of Legal Plan attached? Yes ☐ No ☐

3. PURPOSE(S) & QUANTITY – Please refer to Schedule 1 – *Water Purpose & Application Fees.*

Acre Ft. irrigation
[illegible]40 " " storage + recreaton wildlife habitat

4. SOURCE OF WATER

DISCHARGES INTO: Alkali Creek

5. WORKS – Existing or proposed to divert and convey water to place of use.

a) DIVERSION WORKS
PROPOSED POINT OF DIVERSION LOCATION: Alkali Lake IR No.1
Pump ☒ Gravity Feed ☐
LENGTH OF PIPE: m
DIAMETER OF PIPE: cm
OTHER WORKS: IRRIGATION SYSTEM

STORAGE WORKS
PROPOSED RESERVOIR LOCATION: Alkali Lake IR No. 4 & 4A
VOLUME OF WATER STORED: 1,480,176 m³
DAM HEIGHT: 5.5 m
AREA OF RESERVOIR: 70.0 ha

ADDITIONAL INFORMATION
Joint work with others? Yes ☐ No ☒
IF YES, WITH WHOM?
Works constructed? Yes ☐ No ☒ Partially ☐

6. LANDS AFFECTED – The works will physically affect (by crossing or flooding) the following lands:

LAND DESCRIPTION	NAME OF OWNER (INCLUDING CROWN)
[illegible]ali Lake IR No.4 & 4A	Alkali Lake Indian Band

RECEIVED
WATER MANAGEMENT DIVISION
AUG 21 1995
FILE:

APPLICANT / AGENT'S SIGNATURE
DATE: July 24th '95

KEEP A COPY OF THE APPLICATION AND DRAWING FOR YOUR RECORDS

ORCS 00285-01

Province of British Columbia

Ministry of Environment, Lands and Parks
Water Management

RECEIVED
JUL 25 1995
B.C. ENVIRONMENT

SCHEDULE 2
DAM & RESERVOIR INFORMATION

REQUIRED IN SUPPORT OF A WATER LICENCE APPLICATION FOR STORAGE PURPOSE

WATER LICENCE APPLICATION INFORMATION

NAME OF APPLICANT: ALKALI LAKE INDIAN BAND | FILE#:

MAILING ADDRESS: BOX 4479

WILLIAMS LAKE B.C. | POSTAL CODE: V2G 2V5 | PHONE#: (604) 440-5611 | FAX#: (604) 440-5721

SOURCE(S) OF WATER (NAME OF STREAM WHERE WORKS ARE TO BE CONSTRUCTED): Alkali Creek

PROJECT CONSULTANT: TR Underwood Engineering

◀ BC Environment may recommend that the dam be designed by, and constructed under the supervision of, a Professional Engineer registered in the Province of BC.

MAILING ADDRESS: 201 - 655 Victoria St.

Kamloops, B.C. | POSTAL CODE: V2C 2B3 | PHONE#: (604) 828-0881 | FAX#: (604) 828-0717

PROPOSED WORKS – Please complete 1 or 2 where applicable to your project.

1. DUGOUT / POND

IS THE DUGOUT CONSTRUCTED IN THE STREAM CHANNEL OR OFF STREAM?

STORAGE CAPACITY dam³ or m³	LENGTH m	WIDTH m	MAXIMUM DEPTH m

2. DAM / RESERVOIR

NOTE: PLEASE ATTACH A DETAILED PLAN FOR (a) THROUGH (d) BELOW SHOWING CROSS SECTIONS AND PLAN VIEWS OF THE PROPOSED DAM / RESERVOIR STRUCTURE.

a) STORAGE DAM

HEIGHT	LENGTH	CREST WIDTH
5.5 m	333.0 m	4.5 m

TYPE OF CONSTRUCTION MATERIALS: Earth Embankment Dam

b) RESERVOIR

STORAGE CAPACITY dam³ or m³	FLOODED AREA
1480176 m	70.0 ha

Land tenure where works are to be constructed and / or flooded, owned by: Applicant ☒ Private ☐ Crown ☐

c) SPILLWAY

DESCRIPTION / TYPE: Excavated Channel with Concrete Weir Wall

DESIGN FLOW	FREEBOARD
2.39 m³/s	(0.91m - Peak Flow) 1.2 m

d) LOW LEVEL OUTLET (SLUICEWAY)

DESCRIPTION / TYPE: 610mm CMP (Concrete Encased)

NUMBER OF SEEPAGE COLLARS	CONTROL WORKS USED
7	762mm dia Sluice Gate

STREAM HYDROLOGY FLOW INFORMATION

(i) If the stream is perennial or flows intermittently, please provide a low flow assessment (for filling and maintaining reservoirs) and a high flow assessment (for determining dam design flood) and/or a complete hydrological assessment in support of your application.

(ii) If the stream flow is ephemeral in nature (i.e., flows only during wet periods or during spring runoff), please provide an estimate of the drainage area above the dam or dugout location, an adequate summary of any measured stream flow information available and/or an estimate of high flows in support of your application.

Note: If you have any questions concerning the hydrology of your stream (source), please contact your local Water Management Office for more detailed information.

FISH POND PERMIT

If you intend to place or maintain fish in your dugout or reservoir, you must obtain a Private Fish Pond permit or Commercial Fish Farm Licence. Please contact the nearest office of BC Environment's Fish and Wildlife Branch or the Ministry of Agriculture, Fisheries and Food for more information.

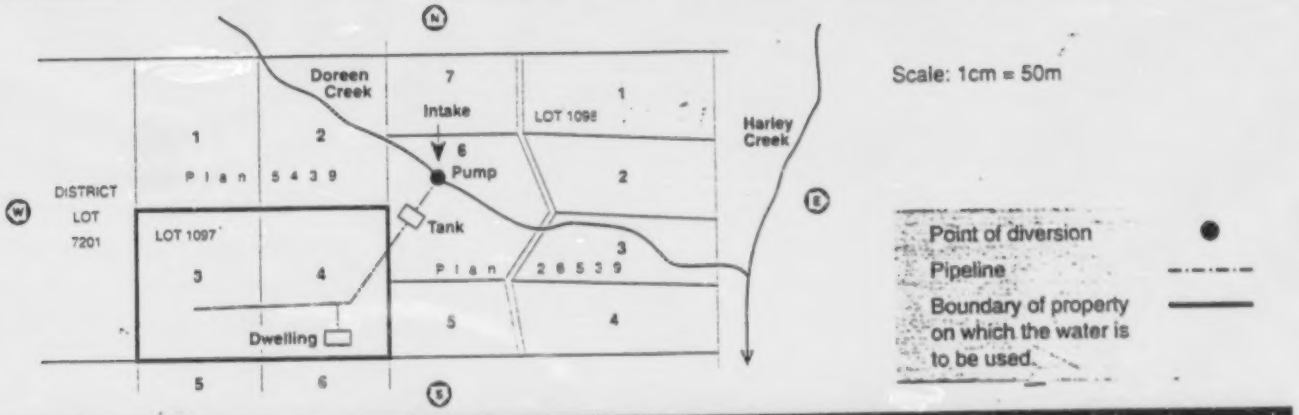
NOTE: IF SPACE IS INSUFFICIENT, PLEASE ATTACH THE REQUESTED INFORMATION IN A COVERING LETTER OR REPORT

Province of British Columbia
Ministry of Environment, Lands and Parks
Water Management

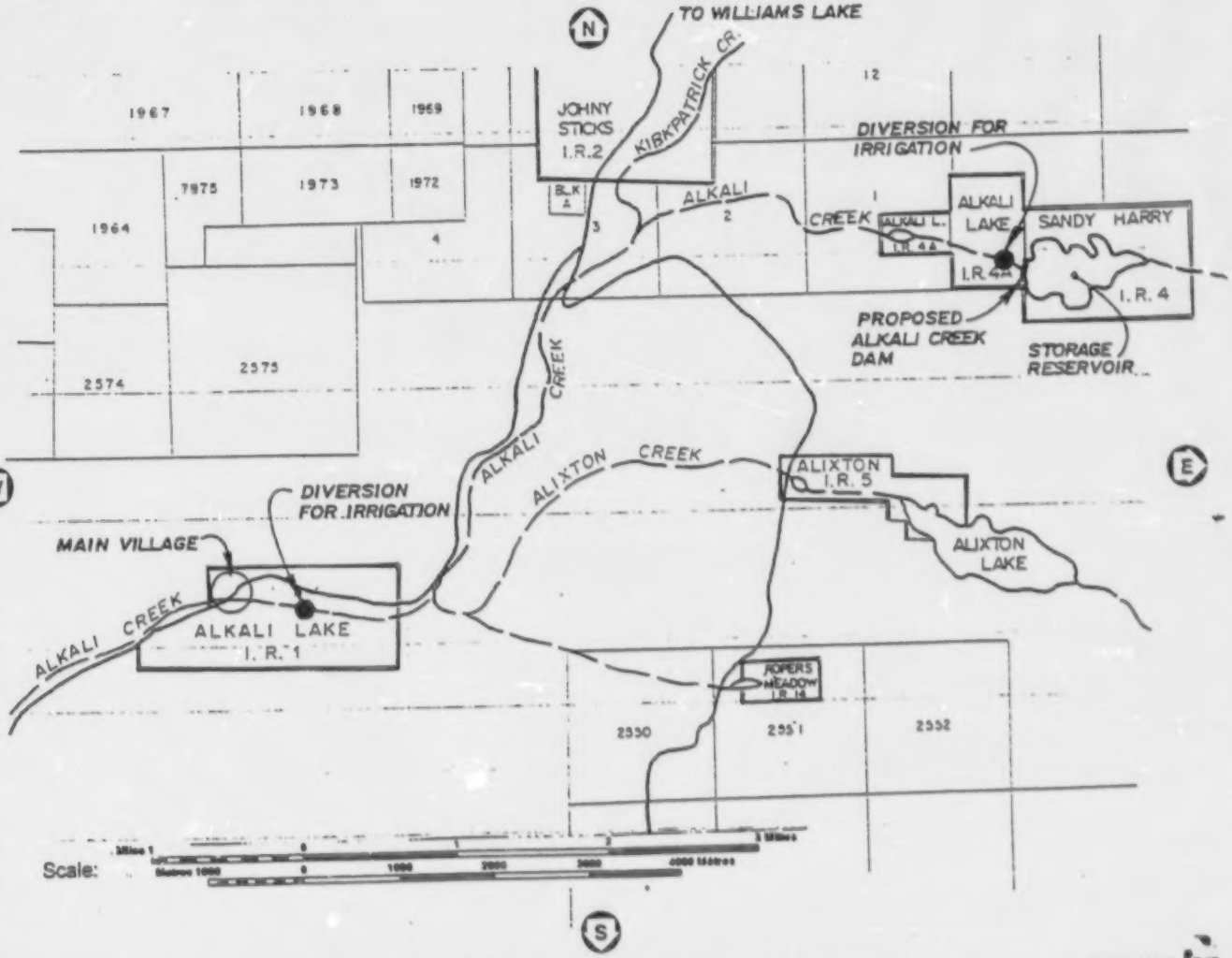
WATER LICENCE APPLICATION
Water Act, Section 8

WATER LICENCE APPLICATION DRAWING

SAMPLE DRAWING – Typical drawing for domestic and irrigation licence.



APPLICANT'S DRAWING – Prepare a drawing to submit with your application. Refer to *Application Guidelines* for a list of required elements.

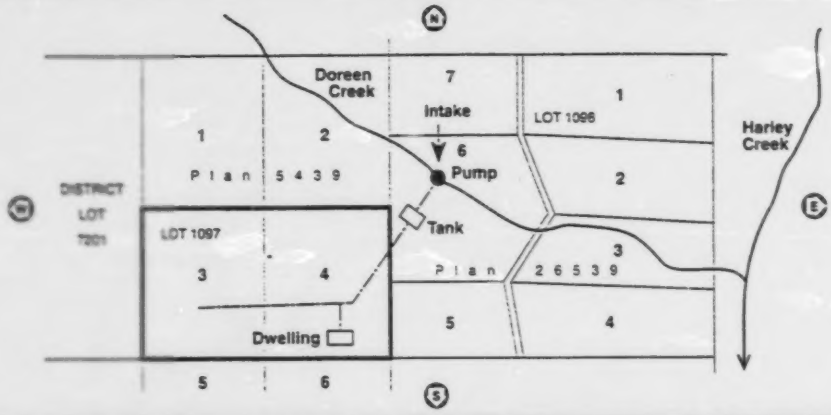


Province of British Columbia
Ministry of Environment, Lands and Parks
Water Management

WATER LICENCE APPLICATION
Water Act, Section 8

WATER LICENCE APPLICATION DRAWING

SAMPLE DRAWING – Typical drawing for domestic and irrigation licence.



Scale: 1cm = 50m

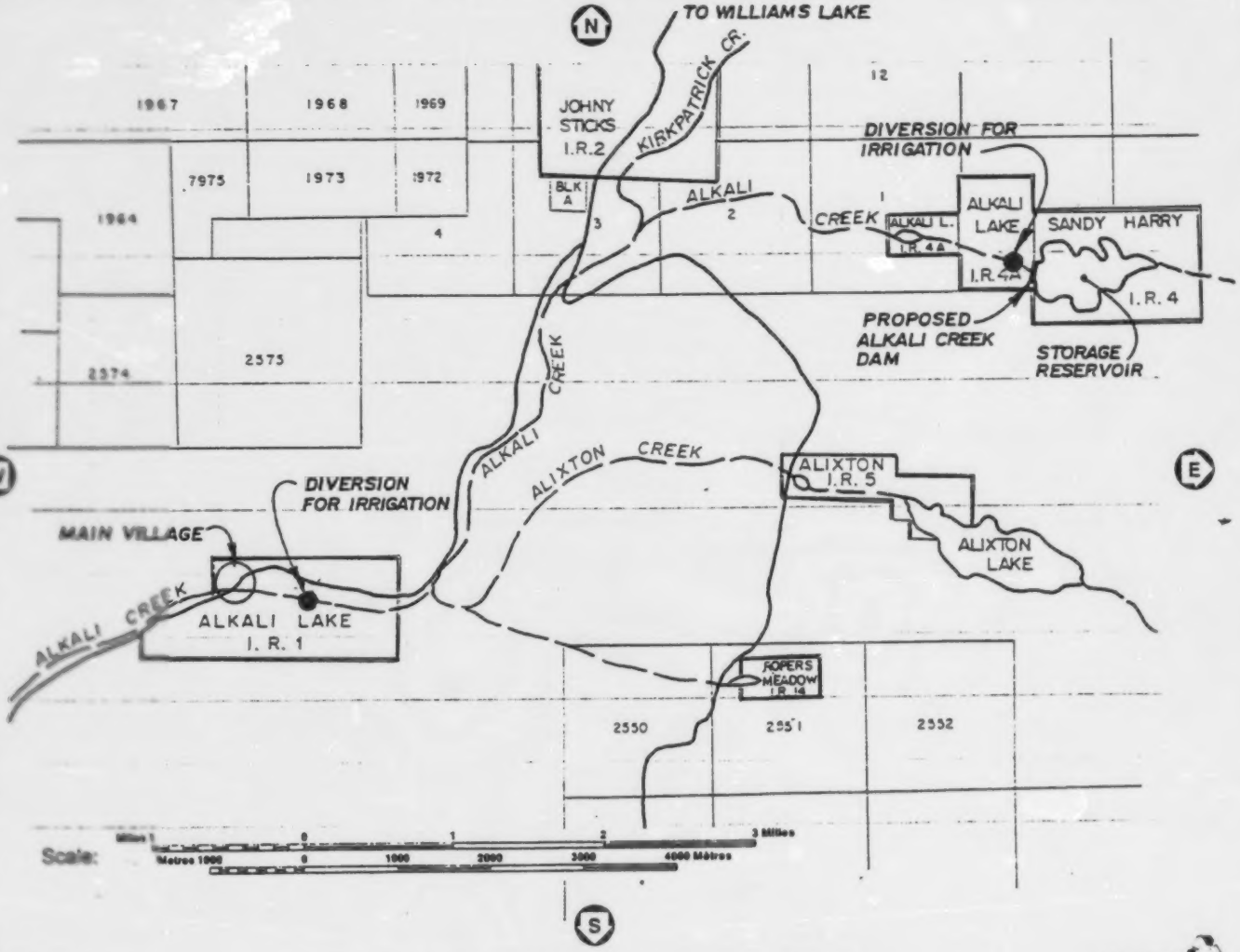
JUL 25 1995
B.C. ENVIRONMENT
Williams Lake, British Columbia

Point of diversion ●

Pipeline ———

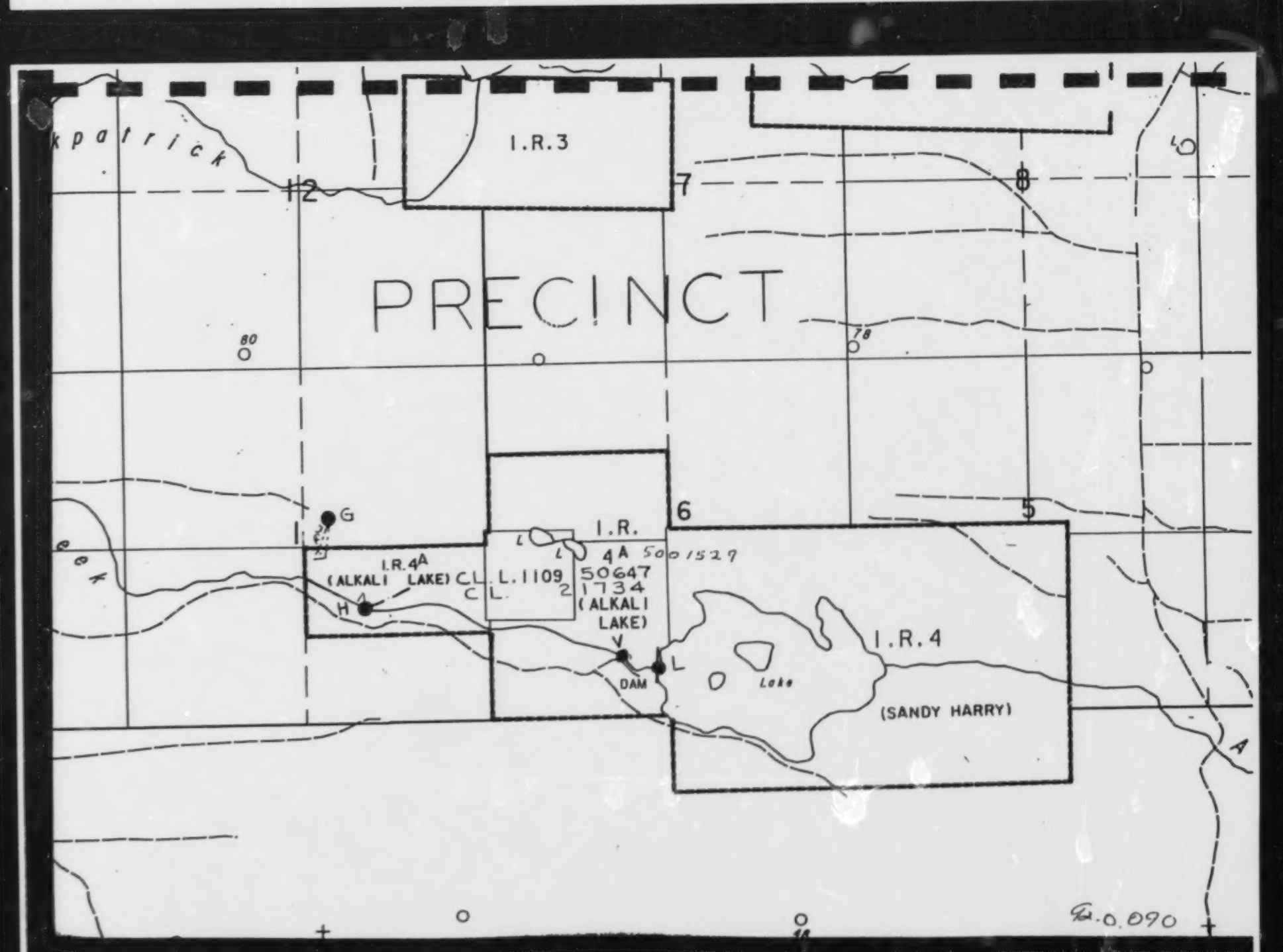
Boundary of property on which the water is to be used. ———

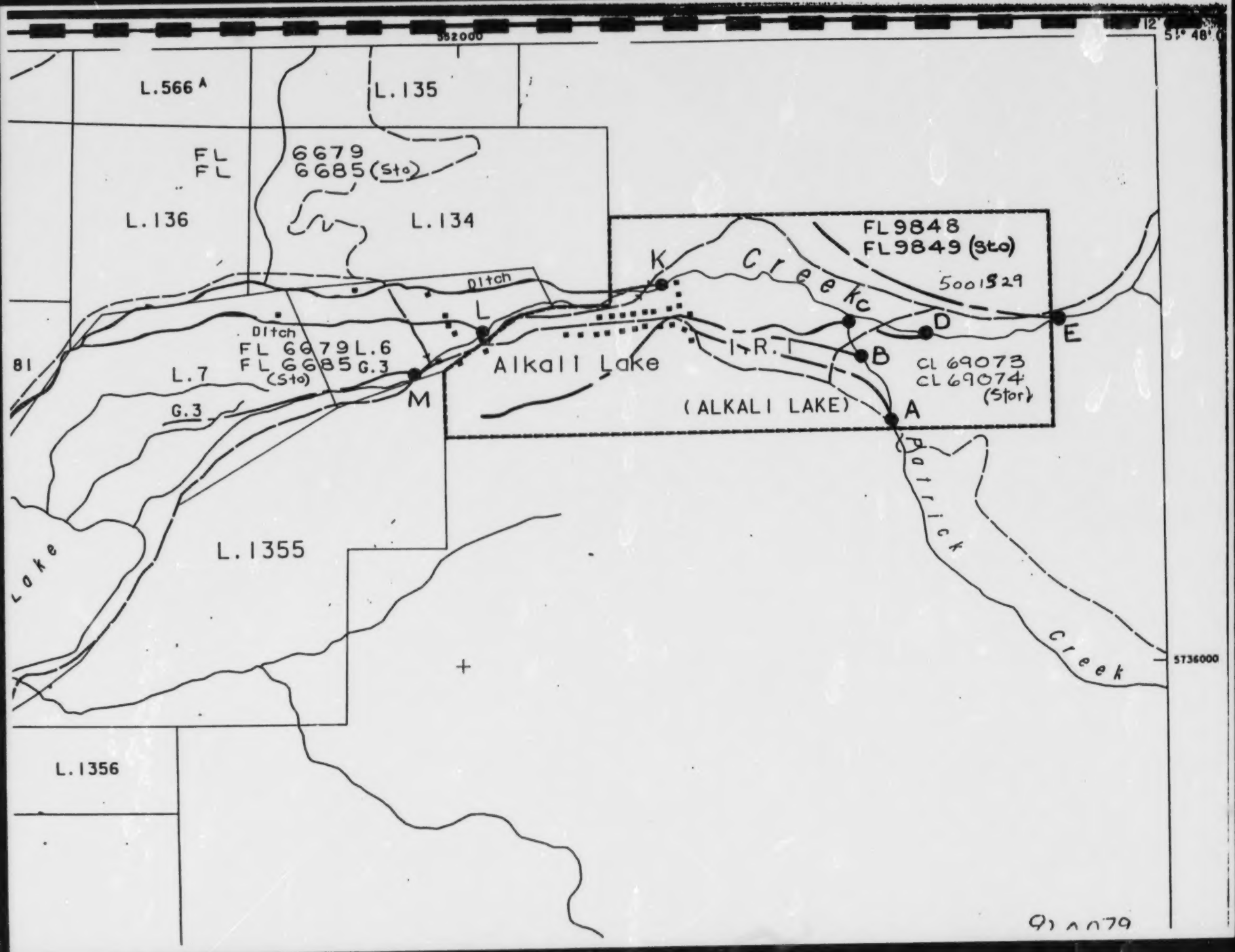
APPLICANT'S DRAWING – Prepare a drawing to submit with your application. Refer to *Application Guidelines* for a list of required elements.



KEEP A COPY OF THE APPLICATION AND DRAWING FOR YOUR RECORDS

ORCS 00285-01


I.R.3
PRECINCT
I.R.
4A
I.R.4A
(ALKALI LAKE)
L.1109
50647
1734
(ALKALI LAKE)
DAM
I.R.4
Lake
(SANDY HARRY)
12
7
8
6
5
1
G
H
L
80
78


552000
L.566 A
L.135
FL
FL
6679
6685 (Sto)
L.136
L.134
FL9848
FL9849 (Sto)
5001529
K
Creek
Ditch
L
Ditch
FL 6679 L.6
FL 6685 G.3
(Sto)
81
L.7
G.3
M
Alkali Lake
I.R.1
B
D
E
CL 69073
CL 69074
(Stor)
(ALKALI LAKE)
A
Patrick
Creek
Lake
L.1355
L.1356
5736000

DEPARTMENT OF LANDS AND FORESTS

Permit under the "Water Act" Authorizing the Occupation of Crown Land

Director of Indian Affairs, of Ottawa, Ontario

the holder of a water licence authorizing the diversion of water from Garden Spring

is hereby authorized to occupy by constructing, maintaining and operating thereon the works authorized under the said water licence, and any licence which may be issued in substitution thereof

the following Crown land, namely:— a portion of North East ¼ Section 1, Township 78, Lillooet Land District being 700 feet in length and 15 feet in width, the location of which is shown approximately on the plan attached to the said water licence and marked "R/W"

having an area of 0.24 acres.

And, subject to the payment of royalty, stumpage, and other compensation as provided under Condition 5, is authorized to cut and remove from the said land any timber, the removal of which is necessary to permit the construction of the said work.

~~[illegible]~~

This permit is appurtenant to the land to which the aforesaid water licence is appurtenant.

The conditions relative to the rights granted under this permit are printed on the back of this form.

Issued the 1st day of December, 19 53.

C. M. Cooper
Deputy Minister of Lands.

File 0200452

W.R. Map 1106

Ref. Map 27B (D-5)

W.R.B. 12—134-1152-8513

Conditional-Final Licence No. 21734

PERMIT OVER CROWN LAND No. 3864

DEPARTMENT OF LANDS AND FORESTS

Permit under the "Water Act" Authorizing the Occupation of Crown Land

Director of Indian Affairs, of Ottawa, Ontario,

the holder of a water licence authorizing the storage of water from Patrick Creek and the reservoir is Joes Lake,

is hereby authorized to occupy by constructing and maintaining thereon the dams authorized under the said water licence and any licence which may be issued in substitution thereof,

the following Crown land, namely:— two damsites on vacant, unsurveyed Crown land in Lillooet District, the location of which is shown approximately on Exhibit "A" and marked Damsite "Right-of-Way",

having a total area of 1 acres or less.

And, subject to the payment of royalty, stumpage, and other compensation as provided under Condition 5,

is authorized to cut and remove from the aforementioned damsites any timber, the removal of which is necessary to permit the construction of the said dams.

There is payable in respect of this permit an annual rental of nil, which is subject to alteration at any time. Failure to pay the annual rental will render this permit subject to cancellation.

This permit is appurtenant to the land to which the aforesaid water licence is appurtenant.

The conditions relative to the rights granted under this permit are printed on the back of this form.

Issued the 1st day of August, 1960

Deputy Minister of Lands.

File 0222040

W.R. Map 1104

Ref. Map 92O/NE (C&D 6&7)

W.R.B. 12—o

Conditional ~~Final~~ Licence No. 25837

PERMIT OVER CROWN LAND No. 4717

Province of British Columbia

Ministry of Environment

PERMIT UNDER THE WATER ACT AUTHORIZING THE OCCUPATION OF CROWN LAND

The holder of Conditional Water Licence 59291, being Alkali Lake Indian Band at the date of issue of the said licence, whose licence authorizes the diversion of water from Alixton Creek, is hereby authorized to occupy Crown Land by flooding and by constructing, maintaining and operating thereon the works authorized under the said licences and any licences which may be issued in substitution thereof.

(a) The Crown Land which is authorized to be occupied under this permit is a portion of unsurveyed land, Lillooet District, the location of which is shown approximately on the plan attached to the said water licence.

(b) The approximate dimensions of the Crown Land authorized to be occupied under this permit are:

(1)	damsite	0.5 acres
(2)	flooding	4.8 acres
	TOTAL	5.3 acres

(c) The permittee may cut and remove from the said Crown Land any timber necessary to permit construction and maintenance of the said works (and clearing of the said lands which may be flooded). Prior to the cutting, destruction or flooding of any timber, the permittee shall apply for and obtain a licence to cut timber from the District Forester and the amount of stumpage, royalty and (or) compensation payable to the Crown in respect of trees, including merchantable or young growth, cut, removed, damaged, or destroyed by the permittee, shall be the sum or sums fixed by the Forest Service of the Province of British Columbia.

(d) This permit is appurtenant to the land, mine or undertaking to which the aforesaid water licence is appurtenant.

(e) This permit shall become void if the water licence with respect to which the permit is issued should terminate, be abandoned or cancelled, or amended so as to render this permit unnecessary.

(f) This permit is issued and accepted on the understanding that the permittee shall indemnify and save harmless the Government of the Province of British Columbia for all loss, damage to works, cost or expense suffered by the permittee by reason of the Crown Land or any portion thereof being submerged or damaged by erosion or otherwise affected by flooding.

(g) The holder of this permit shall not be entitled to compensation if the Crown grants permits to other persons to occupy the land affected by this permit.

(h) In the event of a dispute at any time with respect to the area or boundaries of the land affected by this permit, the holder shall, at his own expense, have the said land surveyed by a duly qualified surveyor.

(i) The annual rental for this permit is $22.50, which is subject to review and revision at any time at the discretion of the Crown.

B. E. Marr
Deputy Minister of Environment

File No. 0368451 Date Issued: 17th October, 1983 Permit No. 13852

Province of British Columbia

Ministry of Environment

PERMIT UNDER THE WATER ACT AUTHORIZING THE OCCUPATION OF CROWN LAND

The holders of Conditional Water Licence 60165, being Alkali Lake Indian Band and Phillip & Kimberly Marthens, c/o Ducks Unlimited (Canada) at the date of issue of the said licence, whose licence authorizes the storage of water from Alixton Creek, are hereby authorized to occupy Crown Land by flooding and constructing, maintaining and operating thereon the works authorized under the said licence and any licence which may be issued in substitution thereof.

(a) The Crown Land which is authorized to be occupied under this permit is a portion of Lots 2553 and 2554, Township 45, Lillooet District, the location of which is shown approximately on the plan attached to the said water licence.

(b) The approximate dimensions of the Crown Land authorized to be occupied under this permit are:

flooding	- 38 acres
ditches	- 1,000 feet x 15 feet = 0.35 acre
nesting island	- 2 acres being a total of 40.35 acres.

(c) The permittee may cut and remove from the said Crown Land any timber necessary to permit construction and maintenance of the said works and clearing of the said lands which may be flooded. Prior to the cutting, destruction or flooding of any timber, the permittee shall apply for and obtain a licence to cut timber from the District Forester and the amount of stumpage, royalty and (or) compensation payable to the Crown in respect of trees, including merchantable or young growth, cut, removed, damaged, or destroyed by the permittee, shall be the sum or sums fixed by the Forest Service of the Province of British Columbia.

(d) This permit is appurtenant to the land, mine or undertaking to which the aforesaid water licence is appurtenant.

(e) This permit shall become void if the water licence with respect to which the permit is issued should terminate, be abandoned or cancelled, or amended so as to render this permit unnecessary.

(f) This permit is issued and accepted on the understanding that the permittee shall indemnify and save harmless the Government of the Province of British Columbia for all loss, damage to works, cost or expense suffered by the permittee by reason of the Crown Land or any portion thereof being submerged or damaged by erosion or otherwise affected by flooding.

(g) The holder of this permit shall not be entitled to compensation if the Crown grants permits to other persons to occupy the land affected by this permit.

(h) In the event of a dispute at any time with respect to the area or boundaries of the land affected by this permit, the holder shall, at his own expense, have the said land surveyed by a duly qualified surveyor.

(i) The annual rental for this permit is $25.00, which is subject to review and revision at any time at the discretion of the Crown.

B. E. Marr
Deputy Minister of Environment

File No. 0368457 Date Issued: 11th December, 1985 Permit No. 15238

Province of British Columbia

Ministry of Environment

PERMIT UNDER THE WATER ACT AUTHORIZING THE OCCUPATION OF CROWN LAND

The holder of Conditional Water Licence 60169, being Alkali Lake Indian Band, c/o Ducks Unlimited (Canada) at the date of issue of the said licence, whose licence authorizes the storage of water from Alixton Creek and the reservoir is Alixton Lake, is hereby authorized to occupy Crown Land by flooding and constructing, maintaining and operating thereon the works authorized under the said licence and any licence which may be issued in substitution thereof.

(a) The Crown Land which is authorized to be occupied under this permit is a portion of unsurveyed Crown Land, Lillooet District, the location of which is shown approximately on the plan attached to the said water licence.

(b) The approximate dimensions of the Crown Land authorized to be occupied under this permit are:
flooding - 51 acres.

(c) The permittee may cut and remove from the said Crown Land any timber necessary to permit construction and maintenance of the said works and clearing of the said lands which may be flooded. Prior to the cutting, destruction or flooding of any timber, the permittee shall apply for and obtain a licence to cut timber from the District Forester and the amount of stumpage, royalty and (or) compensation payable to the Crown in respect of trees, including merchantable or young growth, cut, removed, damaged, or destroyed by the permittee, shall be the sum or sums fixed by the Forest Service of the Province of British Columbia.

(d) This permit is appurtenant to the land, mine or undertaking to which the aforesaid water licence is appurtenant.

(e) This permit shall become void if the water licence with respect to which the permit is issued should terminate, be abandoned or cancelled, or amended so as to render this permit unnecessary.

(f) This permit is issued and accepted on the understanding that the permittee shall indemnify and save harmless the Government of the Province of British Columbia for all loss, damage to works, cost or expense suffered by the permittee by reason of the Crown Land or any portion thereof being submerged or damaged by erosion or otherwise affected by flooding.

(g) The holder of this permit shall not be entitled to compensation if the Crown grants permits to other persons to occupy the land affected by this permit.

(h) In the event of a dispute at any time with respect to the area or boundaries of the land affected by this permit, the holder shall, at his own expense, have the said land surveyed by a duly qualified surveyor.

(i) The annual rental for this permit is $25.50, which is subject to review and revision at any time at the discretion of the Crown.

B. E. Marr
Deputy Minister of Environment

File No. 0369326 Date Issued: 11th December, 1985 Permit No. 15241

Province of British Columbia

Ministry of Environment and Parks

PERMIT UNDER THE WATER ACT AUTHORIZING THE OCCUPATION OF CROWN LAND

The holder of Conditional Water Licence 69074, whose licence authorizes the storage of water from Joes Creek and the reservoir is Joes Lake, is hereby authorized to occupy Crown land by constructing, maintaining and operating thereon the works authorized under the said licence and any licence which may be issued in substitution thereof.

(a) The Crown land which is authorized to be occupied under this permit is a portion of unsurveyed Crown land, Lillooet District, the location of which is shown approximately on the plan attached to the said water licence.

(b) The approximate dimensions of the Crown land authorized to be occupied under this permit are approximately 1 acre by damsite.

(c) Prior to the cutting, removal, or destruction of any timber from the said Crown land (and clearing of the said lands which may be flooded), necessary to permit construction and maintenance of the said works, the permittee shall apply for and obtain a licence, from the Ministry of Forests, to cut timber. Application will be made to the District Manager of the Ministry of Forests and the amount of stumpage, royalty and (or) compensation payable to the Crown in respect of trees, including merchantable or young growth, cut, removed, damaged, or destroyed by the permittee, shall be the sum or sums fixed by the Forest Service of the Province of British Columbia.

(d) This permit is appurtenant to the land, mine or undertaking to which the aforesaid water licence is appurtenant.

(e) This permit shall become void if the water licence with respect to which the permit is issued should terminate, be abandoned or cancelled, or amended so as to render this permit unnecessary.

(f) This permit is issued and accepted on the understanding that the permittee shall indemnify and save harmless the Government of the Province of British Columbia for all loss, damage to works, cost or expense suffered by the permittee by reason of the Crown land or any portion thereof being submerged or damaged by erosion or otherwise affected by flooding.

(g) The holder of this permit shall not be entitled to compensation if the Crown grants permits to other persons to occupy the land affected by this permit.

(h) In the event of a dispute at any time with respect to the area or boundaries of the land affected by this permit, the holder shall, at his own expense, have the said land surveyed by a duly qualified surveyor.

(i) The annual rental for this permit is $40.00, which is subject to review and revision at any time at the discretion of the Crown.

(j) This permit replaces Permit No. 4717.

D. W. Roberts

D. W. Roberts, P. Eng.
Regional Water Manager
duly authorized designate of
the Minister of Environment

File No. 0222040 Date Issued NOV 22 1990 Permit No. 16922

Province of British Columbia

Ministry of Environment, Lands & Parks

PERMIT UNDER THE WATER ACT AUTHORIZING THE OCCUPATION OF CROWN LAND

The holder of Conditional Water Licence 60169, whose licence authorizes the storage of water from Alixton Creek and the reservoir is Alixton Lake, is hereby authorized to occupy Crown land by flooding, constructing, maintaining and operating thereon the works authorized under the said licence and any licence which may be issued in substitution thereof.

(a) The Crown land which is authorized to be occupied under this permit is a portion of unsurveyed Crown land Lillooet District, the location of which is shown approximately on the plan attached to the said water licence.

(b) The approximate dimensions of the Crown land authorized to be occupied under this permit are 18 acres by flooding.

(c) Prior to the cutting, removal, or destruction of any timber from the said Crown land (and clearing of the said lands which may be flooded), necessary to permit construction and maintenance of the said works, the permittee shall apply for and obtain a licence, from the Ministry of Forests, to cut timber. Application will be made to the District Manager of the Ministry of Forests and the amount of stumpage, royalty and (or) compensation payable to the Crown in respect of trees, including merchantable or young growth, cut, removed, damaged, or destroyed by the permittee, shall be the sum or sums fixed by the Forest Service of the Province of British Columbia.

(d) This permit is appurtenant to the land, mine or undertaking to which the aforesaid water licence is appurtenant.

(e) This permit shall become void if the water licence with respect to which the permit is issued should terminate, be abandoned or cancelled, or amended so as to render this permit unnecessary.

(f) This permit is issued and accepted on the understanding that the permittee shall indemnify and save harmless the Government of the Province of British Columbia for all loss, damage to works, cost or expense suffered by the permittee by reason of the Crown land or any portion thereof being submerged or damaged by erosion or otherwise affected by flooding.

(g) The holder of this permit shall not be entitled to compensation if the Crown grants permits to other persons to occupy the land affected by this permit.

(h) In the event of a dispute at any time with respect to the area or boundaries of the land affected by this permit, the holder shall, at his own expense, have the said land surveyed by a duly qualified surveyor.

(i) The annual rental for this permit is $15.20, which is subject to review and revision at any time at the discretion of the Crown.

(j) This permit replaces Permit No. 15241.

D. W. Roberts, P. Eng.
Regional Water Manager
duly authorized designate of
the Minister of Environment

File No. 0369326 Date Issued MAR 10 1992 Permit No. 20165

Stream Register Report Water Licence Information System

Report Requested By : JSTEINHAUER
Date Report Requested : 1995/09/29 16:23
Report Sorted By : Source Gazetted - Priority Date - Licence Number
Selection Criteria
START POINT : PD30560 - 92.0.000 K
END POINT : S017092 - Alinton Creek left of Alkali Creek

Priority YYYY/MM/DD	Licence Number	File Number	Appurtenancy	Licensee	PUC	Quantity/Units	Term Start	Term End	Licence Comments	Process Status
	Source		WR Map	POD	RED	POD Comments			Prec	
1891/07/01	F063273	0242410	STOR FOR P 6680 ALKALI LK & 6683 ALKALI LK	DUCKS UNLIMITED (CANADA) 1290 S MACKENZIE AVE WILLIAMS LAKE BC V2G3Y1	STONP	250.00 AF	Oct 01	Jun 01	STOR IN ALIXTON LK	
	Alixton Creek		WR92.O.080	G	N				05C CAR - DOG CREEK	
1980/04/11	C063225	0366340	60 AC OF L 9 GP 1 & L 1364 LILLOORT DIST	DUCKS UNLIMITED (CANADA) 1290 S MACKENZIE AVE WILLIAMS LAKE BC V2G3Y1	IRR	180.00 AF	Apr 01	Sep 30		
	Alixton Creek		WR92.O.080	G	N	REDIVERSION AT P 92.O.079 & Q 92.O.079			05C CAR - DOG CREEK	
	Alkali Creek		WR92.O.079	P	Y	REDIVERSION FROM G. 92.O.080 ALIXTON CR				
	Alkali Creek		WR92.O.079	Q	Y	REDIVERSION FROM G 92.O.080 ALIXTON CR				
1980/04/11	C063226	0366340	STOR FOR C 63225 ALIXTON CR	DUCKS UNLIMITED (CANADA) 1290 S MACKENZIE AVE WILLIAMS LAKE BC V2G3Y1	STONP	180.00 AF	Oct 01	Jun 30	STOR IN ALIXTON LK	
	Alixton Creek		WR92.O.080	G	N				05C CAR - DOG CREEK	
1981/04/28	C059289	0368449	16 AC OF IR 85 ALIXTON LILLOOET DIST	ALKALI LAKE INDIAN BAND 989-711-8211 PO BOX 4479 WILLIAMS LAKE BC V2G3Y1	IRR	18.00 AF	Mar 01	Jun 15	FLOOD IRR	
	Alixton Creek		WR92.O.090	J	N				05C CAR - DOG CREEK	
1981/04/28	C059290	0368450	8.4 AC OF IR 85 ALIXTON LILLOOET DIST	ALKALI LAKE INDIAN BAND 989-711-8211 PO BOX 4479 WILLIAMS LAKE BC V2G3Y1	IRR	11.00 AF	Mar 01	Jun 15	FLOOD IRR	
	Alixton Creek		WR92.O.080	A	N				05C CAR - DOG CREEK	

Priority YYYY/MM/DD	Licence Number	File Number	Appurtenancy	Licensee	PUC	Quantity/Units	Term Start	Term End	Licence Comments	Process Status
	Source		WR Map	POD RED POD Comments					Prec	
1981/04/28	C059291	0360651	CONS PROJECT OF LICENSEE WITHIN IR 813 PETE SUCKERS & UCL LILLOOET DIST	DUCKS UNLIMITED (CANADA) 1290 S MACKENZIE AVE WILLIAMS LAKE BC V2G3Y1	CONST	11.00 AF	Oct 01	Jun 15	RESERVOIR IN CR	
	Alixton Creek		WR92.O.080	B N					05C CAR - DOG CREEK	
1981/04/28	C059292	0360652	17 AC OF IR 813 PETE SUCKER LILLOOET DIST	ALKALI LAKE INDIAN BAND 989-711-8221 PO BOX 4479 WILLIAMS LAKE BC V2G3Y1	IRR	15.00 AF	Mar 01	Jun 15	FLOOD IRR	
	Alixton Creek		WR92.O.080	C N					05C CAR - DOG CREEK	
1981/04/28	C059293	0360654	THE CONS UNDERTAKING OF LICENSEE WITHIN IR 813 PETE SUCKERS LILLOOET DIST	DUCKS UNLIMITED (CANADA) 1290 S MACKENZIE AVE WILLIAMS LAKE BC V2G3Y1	CONST	50.00 AF	Oct 01	Jun 15	RESERVOIR IN CR	
	Alixton Creek		WR92.O.080	D N					05C CAR - DOG CREEK	
1981/04/28	C059294	0360656	4 AC OF IR 813 PETE SUCKERS LILLOOET DIST	ALKALI LAKE INDIAN BAND 989-711-8221 PO BOX 4479 WILLIAMS LAKE BC V2G3Y1	IRR	8.00 AF	Mar 01	Jun 15	FLOOD IRR	
	Alixton Creek		WR92.O.080	E N					05C CAR - DOG CREEK	
1981/04/28	C060165	0360657	CONS PROJECT WITHIN IR 813 PETE SUCKERS LILLOOET DIST & L 264, 2553 & 2554	DUCKS UNLIMITED (CANADA) 1290 S MACKENZIE AVE WILLIAMS LAKE BC V2G3Y1	CONST CONWE	227.00 AF 0.00 TF	Oct 01 Jan 01	Jun 15 Dec 31	RESERVOIR IN CR	A/A APPORTIONMENT PEND
	Alixton Creek		WR92.O.080	J N					05C CAR - DOG CREEK	

Priority YYYY/MM/DD	Licence Number	File Number	Appurtenancy	Licensee	PUC	Quantity/Units	Term Start	Term End	Licence Comments	Process Status
	Source		WR Map	POD RED POD Comments					Prec	
1901/06/20	C060167	0360650	CONS PROJECT WITHIN L 2553 & 2563 LILLOOET DIST	DUCKS UNLIMITED (CANADA) 1290 S MACKENZIE AVE WILLIAMS LAKE BC V2G3Y1	CONST COMM	15.00 AF 0.00 TF	Oct 01 Jan 01	Jun 15 Dec 31	RESERVOIR IN CR	
	Alkali Creek		MB92.O.080	E S					05C CAR - DOG CREEK	
1901/10/16	C060169	0369326	THE CONS PROJECT OF THE LICENSEE WITHIN & UCL LILLOOET DIST ALKALI IR 05	DUCKS UNLIMITED (CANADA) 1290 S MACKENZIE AVE WILLIAMS LAKE BC V2G3Y1	CONST COMM	120.00 AF 0.00 TF	Oct 01 Jan 01	Jun 30 Dec 31	RESERVOIR ALKALI LK	
	Alkali Creek		MB92.O.080	G S					05C CAR - DOG CREEK	
1905/08/26	C101503	5008476	L 1350 & 1360 LILLOOET DIST	DUCKS UNLIMITED (CANADA) 1290 S MACKENZIE AVE WILLIAMS LAKE BC V2G3Y1	IRR STOMP	150.00 AF 150.00 AF	Apr 01 Oct 01	Sep 30 Jun 30	STORAGE IN ALKALI LAKE	
	Alkali Creek Alkali Creek		MB92.O.080 MB92.O.079	G S S S					05C CAR - DOG CREEK	

---------- Total of 13 Licences Reported ----------

Report Requested By : JSTEINHAUER
Date Report Requested : 1995/09/29 16:29
Report Sorted By : Source Gazetted - Priority Date - Licence Number
Selection Criteria
START POINT : MO17191 - Place Lake on Alkali Creek
END POINT : SO17085 - Alkali Creek left of Alkali Lake

Priority YYYY/MM/DD	Licence Number	File Number	Appurtenancy	Licensee	PUC	Quantity/Units	Term Start	Term End	Licence Comments	Process Status
Source			WR Map	POD — RED POD Comments						Prec
1865/10/26	P006679	0242609	131.0 AC OF L 6 & 7 GP 3 & L 136 & 136 GP 1 LILLOOET DIST	MERVYN DOUGLAS C/O ALKALI LAKE RANCHES ALKALI LAKE BC V0L1B0	DOM IRR	2,000.00 GD 997.00 AF	Jan 01 Apr 01	Dec 31 Sep 30	STOR AT P 6685 ALKALI CR	
Alkali Creek			WR92.O.079	L M					05C CAR - DOG CREEK	
Alkali Creek			WR92.O.079	K M						
Alkali Creek			WR92.O.079	H M						
1868/05/30	P006680	0242609	126.5 AC OF L 8 & 9 GP 3 LILLOOET DIST	MERVYN DOUGLAS C/O ALKALI LAKE RANCHES ALKALI LAKE BC V0L1B0	DOM IRR	2,000.00 GD 381.00 AF	Jan 01 Apr 01	Dec 31 Sep 30	STOR AT P 63273 ALINTON CR STOR AT P 6685 ALKALI CR	
Alkali Creek			WR92.O.079	L M					05C CAR - DOG CREEK	
1910/11/11	P006685	0007523	STOR FOR P 6679, 6680 & 6681 ALL ALKALI CR	MERVYN DOUGLAS C/O ALKALI LAKE RANCHES ALKALI LAKE BC V0L1B0	STORP	99.00 AF	Oct 01	Mar 31	STOR IN PLACE LK	
Alkali Creek			WR92.P.071	B M					05C CAR - DOG CREEK	
Alkali Creek			WR92.P.071	A M						
1910/11/20	P009068	0007650	143 AC OF IR 01 ALKALI LAKE LILLOOET DIST	ALKALI LAKE INDIAN BAND 989-711-8210 PO BOX 6479 WILLIAMS LAKE BC V2G2V5	DOM IRR	2,500.00 GD 360.00 AF	Jan 01 Apr 01	Dec 31 Sep 30	STOR AT P 9849 ALKALI CR	
Alkali Creek			WR92.O.079	E M					05C CAR - DOG CREEK	
Alkali Creek			WR92.O.079	D M						
1910/11/20	P009069	0007650	STOR FOR P 9068 ALKALI CR	ALKALI LAKE INDIAN BAND 989-711-8210 PO BOX 6479 WILLIAMS LAKE BC V2G2V5	STORP	360.00 AF	Oct 01	Jun 15	STOR IN RESERVOIR ON IR #4	
Alkali Creek			WR92.O.090	L M					05C CAR - DOG CREEK	

Priority YYYY/MM/DD	Licence Number	File Number	Appurtenancy	Licensee	PUC	Quantity/Units	Term Start	Term End	Licence Comments	Process Status
Source		WR Map	POD	RED	POD Comments				Prec	
1977/11/17	C050667	0142326	10 AC OF L 1109; FRAC SW 1/4 & S 1/2 OF FRAC NW 1/4 OF SEC 6 TP 76; N 1/2 OF SE 1/4 OF SEC 1 TP 78 LILLOOET DIST	ALKALI LAKE INDIAN BAND 989-711-8210 PO BOX 4679 WILLIAMS LAKE BC V2G2V5	IRR	20.00 AF	Apr 01	Jun 30		
Alkali Creek		WR92.O.090	N	N					05C CAR - DOG CREEK	
1994/10/05	2100777	5001457	AS SET OUT IN PL 6684, 6679, 6680, 6683 & CL 22244, 63225 & 101503	MERVYN DOUGLAS C/O ALKALI LAKE RANCHES ALKALI LAKE BC V0L1B0	STONP	700.00 AF	Jan 01	Dec 31		APP APPLIC-CLEARED
Alkali Creek		WR92.P.071	A	N	NEW WORKS ASSOCIATED WITH EXISTING DAM//				05C CAR - DOG CREEK	
Alkali Creek		WR92.P.071	B	N	NEW WORKS ASSOCIATED WITH EXISTING DAM					
1995/07/25	2109985	5001529	IR #1 (ALKALI LAKE) IR #4 (SANDY HARRY) IR #4A	ALKALI LAKE INDIAN BAND 989-711-8210 PO BOX 4679 WILLIAMS LAKE BC V2G2V5	IRR STONP CONST	360.00 AF 360.00 AF 480.00 AF	Jan 01 Jan 01 Jan 01	Dec 31 Dec 31 Dec 31	CONSERVATION RECREATION WILDLIFE HABITAT	APP APPLIC-CLEARED
Alkali Creek		WR92.O.090	L	N	DIVERSIONS AT 92.0.090 V AND 92.O.079 D - ALKALI CREEK				05C CAR - DOG CREEK	
Alkali Creek		WR92.O.079	D	N	STORAGE AT 92.O.090 L					
Alkali Creek		WR92.O.090	V	N	STORAGE AT 92.O.090 L					

---------- Total of 8 Licences Reported ----------

Stream Register Report Water Licence Information System

Report Requested By : JSTEINHAUER
Date Report Requested : 1995/10/02 09:10
Report Sorted By : Source Gazetted - Priority Date - Licence Number
Selection Criteria
START POINT : PD38687 - 92.0.000 G
END POINT : SG17114 - Gordon Spring

Priority YYYY/MM/DD	Licence Number	File Number	Appurtenancy	Licensee	PUC	Quantity/Units	Term Start	Term End	Licence Comments	Process Status
1953/07/03	C021734	0200652	0.5 AC OF IR #4A ALKALI LAKE LILLOOET DIST	ALKALI LAKE INDIAN BAND 989-711-8210 PO BOX 4479 WILLIAMS LAKE BC V2G2V5	DOM IRR	1,000.00 GD 1.00 AF	Jan 01 Apr 01	Dec 31 Sep 30		
	Source		WR Map	POD	RED POD Comments				Prec	
	Garden Spring		WR92.O.090	G	N				05C CAR - DOG CREEK	

---------- Total of 1 Licence Reported ----------

Stream Register Report Water Licence Information System

Report Requested By : JSTEINHAUER
Date Report Requested : 1995/10/02 09:03
Report Sorted By : Source Gazetted - Priority Date - Licence Number
Selection Criteria
START POINT : MD62506 - Joes Lake on Joes Creek
END POINT : SD62505 - Joes Creek left of Patrick Creek

Priority YYYY/MM/DD	Licence File Number	Appurtenancy Number	Licensee	PUC	Quantity/Units	Term Start	Term End	Licence Comments	Process Status
Source	WR Map	POD	RED POD Comments					Frec	
1958/08/27	C069074	0222040 AS SET OUT IN CWL 69073	ALKALI LAKE INDIAN BAND 989-711-8210 PO BOX 4479 WILLIAMS LAKE BC V2G2V5	STONP	75.00 AF	Oct 01	Jun 15	STORAGE IN JOES LAKE	
Joes Creek	WR92.O.079	O	M					05C CAR - DOG CREEK	
Joes Creek	WR92.O.079	F	M						

---------- Total of 1 Licence Reported ----------

Stream Register Report Water Licence Information System

Report Requested By : JSTEINHAUER
Date Report Requested : 1995/10/23 14:51
Report Sorted By : Source Gazetted - Priority Date - Licence Number
Selection Criteria
START POINT : 00317104 - Mayfield Creek right of Kirkpatrick Creek
END POINT : 00317101 - Kirkpatrick Creek right of Alkali Creek

---------- No Licences Reported ----------

Stream Register Report Water Licence Information System

Report Requested By : JSTEINHAUER
Date Report Requested : 1995/10/02 09:07
Report Sorted By : Source Gazetted - Priority Date - Licence Number
Selection Criteria
START POINT : FD30584 - 92.0.080 H
END POINT : SO17098 - Meeting Brook left of Alinton Creek

Stream Register Report

Water Licence Information System

DATE: 1995/10/02
TIME: 09:07
PAGE: 001

Priority YYYY/MM/DD	Licence File Number	Appurtenancy Number	Licensee	PUC	Quantity/Units	Term Start	Term End	Licence Comments	Process Status
Source		WR Map	POD	RED POD Comments					Prec
1981/04/28	C060166	0368455	CONS PROJECT OF LICENSEE WITHIN IR 813 PETE SUCKERS LILLOOET DIST	DUCKS UNLIMITED (CANADA) 1290 S MACKENZIE AVE WILLIAMS LAKE BC V2G3Y1	CONST COMM	13.00 AF 0.00 TF	Oct 01 Jan 01	Jun 15 Dec 31	STOR IN POND	
Nesting Brook		WR92.0.080	N	N					05C CAR - DOG CREEK

---------- Total of 1 Licence Reported ----------

Stream Register Report Water Licence Information System

Report Requested By : JSTEINHAUER
Date Report Requested : 1995/10/02 09:06
Report Sorted By : Source Gazetted - Priority Date - Licence Number
Selection Criteria
START POINT : PD10500 - 92.0.000 F
END POINT : MO17000 - Patrick Creek left of Alkali Creek

Priority YYYY/MM/DD	Licence Number	File Number	Appurtenancy	Licensee	PUC	Quantity/Units	Term Start	Term End	Licence Comments	Process Status
Source		WR Map		POD	RED	POD Comments				Prec
1902/02/12	F009843	0242414	L 690 LILLOOET DIST	MERVYN DOUGLAS C/O ALKALI LAKE RANCHES ALKALI LAKE BC V0L1B0	DOM	1,000.00 GD	Jan 01	Dec 31		
Patrick Creek		WR92.O.080		F	N				05C CAR - DOG CREEK	
1958/08/27	C069073	0222040	25 ACS OF INDIAN RESERVE NO 1 ALKALI LAKE LILLOOET DIST	ALKALI LAKE INDIAN BAND 989-711-8210 PO BOX 4479 WILLIAMS LAKE BC V2G2V5	DOM IRR	30,000.00 GD 75.00 AF	Jan 01 Apr 01	Dec 31 Sep 30		
Patrick Creek		WR92.O.079		A	N				05C CAR - DOG CREEK	
Patrick Creek		WR92.O.079		B	N					
Patrick Creek		WR92.O.079		C	N					

---------- Total of 2 Licencee Reported ----------

Stream Register Report Water Licence Information System

Report Requested By : JSTEINHAUER
Date Report Requested : 1995/10/24 09:34
Report Sorted By : Source Gazetted - Priority Date - Licence Number
Selection Criteria
START POINT : H017072 - Vert Creek right of Vert Lake (Upper)
END POINT : S017075 - Vert Lake (Upper) on Harpers Creek

Priority YYYY/MM/DD	Licence Number	File Number	Appurtenancy	Licensee	PUC	Quantity/Units	Term Start	Term End	Licence Comments	Process Status
Source	WR Map	POD	RED POD Comments						Prec	
1966/10/26	C034439	0270709	L 87 LILLOOET DIST	JAMES CATTLE CO LTD GD DOG CREEK BC V0L1J0	DOM	500.00 GD	Jan 01	Dec 31		
Vert Lake (Upper)	WR92.O.070	L	N						05C CAR - DOG CREEK	
1966/11/02	C039650	0270762	500 AC OF L 2 OF 6 & L 262,263 2587,2213 LILLOOET DIST	JAMES CATTLE CO LTD GD DOG CREEK BC V0L1J0	IRR	1,000.00 AF	Apr 01	See 30	STOR AT C 39651 HARPER CR	T/A TRANSFER/APPURT PEND
Vert Lake (Upper)	WR92.O.070	L	N						05C CAR - DOG CREEK	
Harpers Creek	WR1100	B	N							

---------- Total of 2 Licences Reported ----------

Stream Register Report Water Licence Information System

Report Requested By : JOYSIMAN
Date Report Requested : 1995/10/24 09:36
Report Sorted By : Source Gazetted - Priority Date - Licence Number
Selection Criteria
START POINT : H017076 - Harpers Creek left of Vert Lake (Lower)
END POINT : S017070 - Vert Lake (Lower) on Harpers Creek

Priority YYYY/MM/DD	Licence Number	File Number	Appurtenancy	Licensee	PUC	Quantity/Units	Term Start	Term End	Licence Comments	Process Status
Source	WR Map	POD	RED	POD Comments					Prec	
1935/04/30	F108680	0120551	DL 262 LILLOOET DIST	JAMES CATTLE CO LTD GD DOG CREEK BC V0L1J0	IRR STOMP	100.00 AF 100.00 AF	Apr 01 Oct 01	Sep 30 May 01	RESERVOIR IS VERT LAKE (UPPER)	
Vert Lake (Lower) Harpers Creek	WR1100 WR92.0.070	P X	Y N	REDIVERSION AT P ON 1100					05C CAR - DOG CREEK	

---------- Total of 1 Licence Reported ----------

FRASER RIVER AT BIG BAR CREEK - STATION NO. 08MD013

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1935	---	---	---	---	3 150	3 940	3 570	2 070	1 310	996	846	688	---	1935
1936	538	---	---	---	3 630	4 150	3 520	1 960	1 410	1 480	1 530	984	---	1936
1937	---	---	549	1 060	3 180	3 700	3 970	2 130	1 600	1 160	1 060	612	---	1937
1938	549	495	482	943	2 100	3 040	2 500	1 490	1 280	869	593	517	1 240	1938
1939	482	---	---	1 520	3 750	3 890	3 360	2 110	1 440	1 470	1 350	1 460	---	1939
1940	---	---	---	1 560	2 870	3 360	2 900	2 110	1 440	1 120	---	---	---	1940
1941	---	544	562	1 560	1 970	2 560	2 320	1 600	1 730	2 110	1 290	903	---	1941
1942	---	498	436	865	2 010	3 220	2 560	1 740	1 140	1 010	692	595	---	1942
1943	512	482	368	1 380	1 720	3 150	3 320	2 240	1 340	989	657	430	1 390	1943
1944	357	343	324	1 220	1 980	3 010	2 240	2 160	1 650	1 460	989	539	1 360	1944
1945	517	437	356	625	2 600	3 860	2 410	1 580	1 090	862	654	487	1 290	1945
1946	394	332	373	769	3 570	4 080	3 040	1 940	1 060	648	480	413	1 430	1946
1947	394	363	436	1 420	3 280	4 430	3 570	2 100	1 450	1 310	942	---	---	1947
1948	---	---	---	591	4 180	5 620	3 160	2 970	2 180	1 490	959	---	---	1948
1949	---	---	---	1 600	3 760	3 680	2 710	2 400	1 400	1 080	1 230	691	---	1949
1950	---	---	---	---	2 850	4 870	3 620	2 080	1 370	1 000	---	---	---	1950
1951	---	---	---	---	3 920	3 280	2 960	1 740	970	762	718	---	---	1951
1952	---	---	---	---	3 320	3 720	3 340	1 930	1 240	1 050	---	---	---	1952
1953	---	---	---	---	2 860	2 970	2 480	1 640	1 460	1 140	1 120	---	---	1953
1954	---	---	---	---	2 290	3 790	3 500	2 490	1 790	1 480	1 520	962	---	1954
1955	---	---	---	---	2 220	4 270	4 120	2 530	1 220	869	572	---	---	1955
1956	---	---	---	---	3 110	4 020	2 580	1 550	1 100	968	755	---	---	1956
1957	---	600	550	948	4 550	3 460	2 700	2 090	1 560	948	1 140	987	---	1957
1958	849	708	759	1 730	3 830	3 810	2 470	1 640	1 510	1 940	949	697	1 750	1958
1959	580	489	463	967	2 940	3 860	3 350	2 240	2 520	2 010	1 620	1 060	1 850	1959
1960	676	584	609	1 540	2 630	3 900	3 930	2 300	1 940	1 760	1 160	682	1 810	1960
1961	710	561	605	1 330	2 980	3 730	2 330	1 670	1 740	1 790	1 000	---	---	1961
1962	---	---	---	1 600	2 380	3 720	3 710	2 630	1 620	1 580	1 640	935	---	1962
1963	799	854	810	1 410	2 600	3 750	3 000	2 120	1 770	1 420	865	---	---	1963
1964	---	---	---	918	2 700	6 240	4 340	3 350	2 130	2 110	1 300	---	---	1964
1965	---	---	---	---	3 330	4 290	3 180	2 270	1 370	1 530	1 050	586	---	1965
1966	450	447	481	1 540	3 380	3 980	3 340	2 310	1 590	1 550	1 030	---	---	1966
1967	---	---	---	---	3 690	5 730	3 620	2 170	1 430	1 200	1 200	656	---	1967
1968	584	598	798	1 070	3 290	4 310	4 110	2 240	1 830	1 450	1 310	615	1 850	1968
1969	499	441	416	1 530	2 440	3 100	2 080	1 950	1 820	1 510	1 220	859	1 490	1969
1970	561	601	576	903	2 280	3 710	2 250	1 520	1 200	1 020	581	429	1 310	1970
1971	459	491	434	1 050	3 180	3 620	2 800	1 990	1 430	1 190	975	546	1 520	1971
1972	---	---	---	---	3 800	5 820	---	---	---	---	922	---	---	1972
MEAN	551	520	519	1 220	2 980	3 940	3 070	2 090	1 520	1 310	1 030	722	1 520	MEAN

LOCATION - LAT 51 11 14 N DRAINAGE AREA, 146 000 km²
LONG 122 08 01 W REGULATED SINCE 1952

REMARKS - DRAINAGE AREA INCLUDES THE 14 000 KM2 BEHIND KENNEY DAM

FRASER RIVER AT BIG BAR CREEK - STATION NO. 08MD013

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1935	---	4 930 ON JUL 05	---	---	1935
1936	---	6 710 ON JUN 04	---	---	1936
1937	---	4 530 ON JUN 21	---	---	1937
1938	---	3 710 ON MAY 29	416 ON DEC 29 411 ON DEC 30	39 200 000	1938
1939	---	5 640 ON MAY 20	---	---	1939
1940	---	4 470 ON JUN 17	---	---	1940
1941	---	3 200 ON OCT 06	422 ON FEB 27	---	1941
1942	---	4 250 ON MAY 30	408 ON FEB 27	---	1942
1943	---	4 640 ON JUN 27	193B ON DEC 22	43 700 000	1943
1944	---	3 650 ON JUN 06	113B ON MAR 03 *	42 900 000	1944
1945	---	4 640 ON JUN 02	309E ON JAN 03	40 800 000	1945
1946	---	5 550 ON MAY 31	173E ON NOV 26	45 200 000	1946
1947	---	5 240 ON JUN 13	235E ON FEB 04	---	1947
1948	---	6 180 ON MAY 31 *	---	---	1948
1949	---	5 130 ON MAY 15	---	---	1949
1950	---	6 650 ON JUN 22	---	---	1950
1951	---	5 100 ON MAY 19	---	---	1951
1952	---	5 150 ON MAY 22	---	---	1952
1953	---	3 940 ON MAY 22	---	---	1953
1954	---	4 840 ON JUL 05	---	---	1954
1955	---	7 110 ON JUN 28	---	---	1955
1956	---	5 320 ON JUN 08	---	---	1956
1957	---	5 690 ON MAY 23	---	---	1957
1958	---	5 550 ON JUN 01	569 ON FEB 18	55 100 000	1958
1959	---	4 810 ON JUN 06	439E ON MAR 21	58 300 000	1959
1960	---	5 240E ON JUN 30	473 ON MAR 03	57 300 000	1960
1961	---	---	---	---	1961
1962	---	5 040E ON JUN 30	---	---	1962
1963	---	4 590 ON JUN 15	---	---	1963
1964	---	7 450 ON JUN 20	---	---	1964
1965	---	5 270 ON JUN 06	---	---	1965
1966	---	6 010 ON MAY 12	354B ON JAN 01	---	1966
1967	---	6 540 ON JUN 06	---	---	1967
1968	---	5 320 ON MAY 25	467B ON DEC 29	58 700 000	1968
1969	---	3 790 ON JUN 07	396B ON MAR 01	47 100 000	1969
1970	---	5 270 ON JUN 07	337B ON NOV 29	41 200 000	1970
1971	---	4 590 ON JUN 17	385B ON JAN 01	47 900 000	1971
1972	---	7 930 ON JUN 16	---	---	1972
				48 100 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

DEPARTMENT OF INDIAN AFFAIRS
CANADA

273777

IN YOUR REPLY REFER TO
No. 30/6156. 0-1-1

COMMISSIONER'S OFFICE
P.O. BOX 777
VICTORIA, B.C., November 23, 1925.

3-22-1

Dept. of Lands
NOV 24 1925
Water Branch

The Chairman,
Board of Investigation,
Water Rights Branch,
Parliament Buildings,
Victoria, B.C.

PABC - REEL B4472
WRB FILE 0-1-1

Re - Indian Water Rights.

Sir,-

Upon investigation it has been found that certain water records appurtenant to Indian Reserves in British Columbia are of doubtful value. These records apply to sources from which it is impracticable to obtain water for irrigation purposes, either owing to prohibitive cost of works or other reasons.

After giving the matter due consideration this Department realizes that to file plans of proposed works and to obtain Conditional Licences to supersede these records, in order to retain rights from which the Indians can derive no benefit, would put both this Department and the Provincial authorities to needless effort and expense.

With the consent of the Superintendent General of Indian Affairs, I therefore abandon all claims to water rights based on records as listed hereunder:-

LYTTON AGENCY.

Board File

21-10-1 - Hope I.R.No.1, (Hope Town) - I.R.C.Allotment 16 Aug.1879, recorded in Dominion Lands Office at New Westminster 26th Sept. 1888 - 100 inches of water from Coquihalla River. (Reserve cancelled by Royal Commission).

24-14-1 - Yale I.R.No.5, (Albert Flat) - I.R.C. Allotment 5 Aug.1879, recorded in Dominion Lands Office at New Westminster 26th Sept. 1888 - 100 inches of water from Gordon Creek.

Dept. of Lands NOV 24 1925 Water Branch

73777

Board File

27-14-1 - Yale I.R.No.10 (Skawahlum) - I.R.C. Allotment 12 Aug.1879, recorded in Dominion Lands Office at New Westminster 26th Sept. 1888 - 20 inches of water from Ska-way-luk Creek.

29-14-1 - Yale I.R.No.12 (Klaklacum) - I.R.C. Allotment 12 Aug.1879, recorded in Dominion Lands Office at New Westminster 26th Sept. 1888 - 20 inches of water from American Bar Creek.

4-10-1 - Boston Bar I.R.No.3 -(Austin's Flat) - I.R.C. Allotment 1st June, 1878, recorded in Dominion Lands Office at New Westminster 26th Sept. 1888, - 10 inches from the nearest stream below the Reserve and all the water from all the springs and other sources on the reserve.

6-14-1 - Boston Bar I.R.No.6 - (Pauls) I.R.C. Allotment 1st June,1878, recorded in Dominion Lands Office at New Westminster 26th Sept. 1888 - 5 inches of water from Scaucy Creek and all other sources of water supply on the reserve.

1-14-1 - Boston Bar I.R.No.7 - (Shrypttahooks) - I.R.C. Allotment 1st June 1878, recorded in Dominion Lands Office at New Westminster 26th Sept. 1888, - 100 inches of water from Scaucy Creek and all water from all other sources of water supply on the reserve.

X-15-1 - High Bar I.R. - Provincial Record dated 3rd Nov. 1903 - 200 inches of water from Watson Bar Creek.

28-16-1 - Seton Lake I.R.No.3 - Provincial Record (?) - 12 inches of water from a spring (Reserve cancelled).

29-16-1 - Seton Lake I.R. No. 4 - Provincial Record-(?) - Spring (Reserve Cancelled)

KAMLOOPS AGENCY.

1-1-1 - Adams Lake I.R.No.1 - I.R.C. Allotment 29th July, 1877, recorded in Dominion Lands Office at New Westminster 26th Sept. 1888 - "100 inches of water from East Creek".

2-1-1 - Adams Lake I.R. No.2 - I.R.C. Allotment 29th July 1877, recorded in Dominion Lands Office at New Westminster 26th Sept. 1888 - "10 inches of water from Pass Creek".

15-1-1 - Adams Lake I.R.No. 7 - I.R.C. Allotment 16th Aug. 1877, recorded in Dominion Lands Office at New Westminster 26th Sept. 1888 - "100 inches from Salmon River for Saltkam".

16-1-1 - Neskainlith I.R.No.3 - I.R.C. Allotment 16th Aug. 1877, recorded in Dominion Lands Office at New Westminster 26 Sept. 1888 -"100 inches from Salmon River for Halant"

PABC - REEL B4472
WRB FILE 0-1-1

(24)

Board File

4-1-1 - Little Shuswap I.R.No. 1 - I.R.C. Allotment 14th Aug. 1877, recorded in Dominion Lands Office at New Westminster 26th Sept. 1888 - "150 inches of water from Adams River" - "25 inches of water from the lake on the high land at the south-west portion of the reserve."

7-1-1 - Little Shuswap I.R.No.4 - I.R.C. Allotment 14th Aug. 1877, recorded in Dominion Lands Office at New Westminster 26th Sept. 1888 - "100 inches of water from Scotch Creek" "50 inches of water from Adams River"..

18-1-1 - Little Shuswap I.R. No.5 - I.R.C. Allotment 16th Aug. 1877, recorded in Dominion Lands Office at New Westminster 26 Sept. 1888 - "25 inches of water from Shu-ku-hum Creek running through reserve" (White Creek).

21-4-1 - Cooks Ferry I.R. No. 4 - I.R.C. Allotment 20th July, 1878, recorded in Dominion Lands Office at New Westminster 26 Sept.1888 -"10 inches of water from Thompson River".

24-5-1 - Lower Nicola I.R.No. 1 - I.R.C. Allotment 15th Sept. 1878, published in B.C. Gazette of 2nd May, 1889. "200 inches from the Lower Nicola River". (Claimed under Indian Water Claims Act 1921).

OKANAGAN AGENCY.

1-17-1 - Okanagan I.R. No. 1 - Provincial Water Record dated January 29th 1897 - "150 inches of water from O'Keefe's Creek".

21-17-1 - Penticton I.R.No. 1 - Provincial Water Record dated February 1st 1897 - "60 inches of water from Marron Creek".

18-17-1 - Penticton I.R. No. 3 - (Formerly Lot 3317, Group 1, Osoyoos Division of Yale District) Provincial Water Record No. 1017 dated October 14th, 1904 - "300 inches of water from Spring Creek".

3-18-1 - Lower Similkameen I.R. No.5 - Provincial Water Record dated January 30th, 1897 - "100 inches from Similkameen River".

19-18-1 - Upper Similkameen I.R. No. 2 - Provincial Water Record dated January 30th, 1897 - "100 inches from 20 Mile Creek". (Hedley Creek).

VANCOUVER AGENCY.

26-21-1 - Squamish I.R. No. 2 - Provincial Water Record No. 180 dated 17th April 1907 - 20 inches of water from Seymour Creek for domestic and agricultural purposes.

"Schedule ..."

Williams Lake

PABC - REEL B4472
WRB FILE 0-1-1

Dept. of Lands NOV 24 1925 Water Branch

WILLIAMS LAKE AGENCY.

Board File

3-20-1 - Alkali Lake I.R. No. 6 (Wycott's Flat) - Provincial Water Record No. 142A, dated 23rd February 1891 - "The right to construct a dam at the outlet of Harper's Lake on Dog Creek Mountain, and the right to the water retained by said dam to be conveyed by means of a ditch already surveyed to the reserve known as Wycott's Flat"

With respect to Seton Lake Indian Reserves Nos. 3 and 4, I would like to point out that although these reserves have been cancelled, some value may be attached to the appurtenant water rights. In the event of these lands being sold by the Provincial Government, it is probable that the water rights would enhance the value of the property in which case both the Provincial Government and the Indians would benefit if it is possible to leave them undisturbed.

Your obedient servant,

W. E. Ditchburn

W.E. Ditchburn,
Indian Commissioner for B.C.

WED/HX.

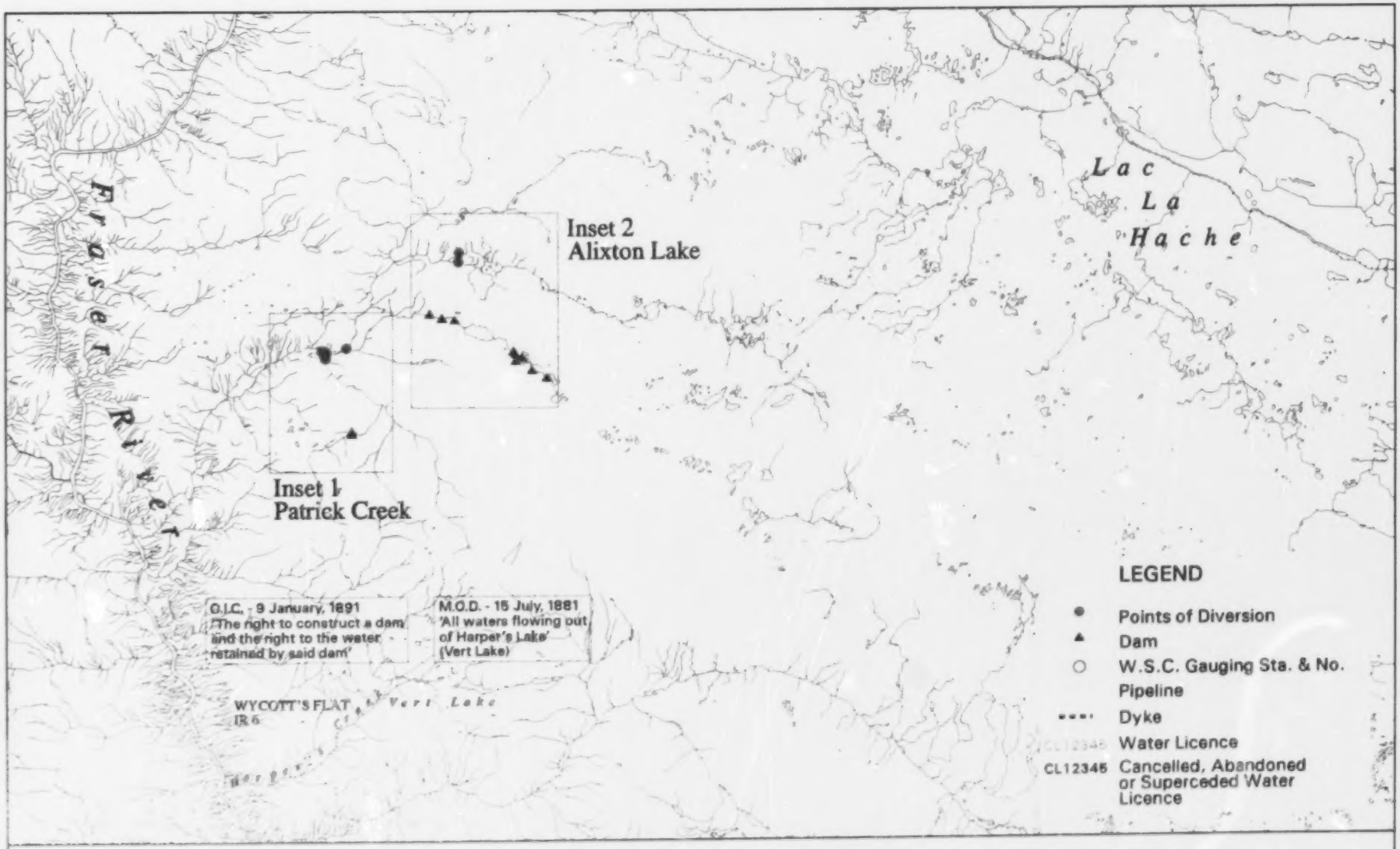
PABC - REEL B4472
WRB FILE 0-1-1

23/10/95

Ministry of Environment - Water Management Branch - Groundwater Section
Groundwater Database System
Data Summary - with Legal Descriptions and Old Coordinates

BCGS Map Area	Well No.	Well Tag No.	Lot No.	Plan No.	Blk No.	TP	SC	RG	D.L.	Z	X	Y	Old Well No.	L.D.	Site Address	Date Constructed (dmy)	Well Depth (ft.)	Well Diam. (in.)	Drill Contr No.	Const. Method	Well Yield	Yld. Unt.	Depth to Water (ft.)	Depth to Bedrk (ft.)	Aquif Litho	Screen Interval (ft.)	G.W. Rpt	Che Lab
092O.079.4.4.3	001	0000000041284								00	00	00	000	29		01-01-1979	95.0	6.0	UNK	UNK			32	UNK	UNC			
092O.079.4.4.3	002	0000000041285								00	00	00	000	29		01-01-1979	95.0	6.0	UNK	DRI			UNK	77	UNC			
092O.090.1.3.1	001	0000000048827								00	00	00	000	29		13-08-1981	340.0	9.0	097	DRI	8.0	GPM	46	248	BED			
092O.090.1.3.4	001	0000000048826								00	00	00	000	29		13-08-1981	206.0	9.0	097	UNK			UNK	UNK	UNC			
092O.090.1.3.4	002	0000000048825								00	00	00	000	29		13-08-1981	552.0	7.0	097	DRI	8.0	GPM	46	155	BED	547-552		

DISCLAIMER: The Province disclaims all responsibility for the accuracy of this information. This information should not be used as a basis for making financial or any other commitments.



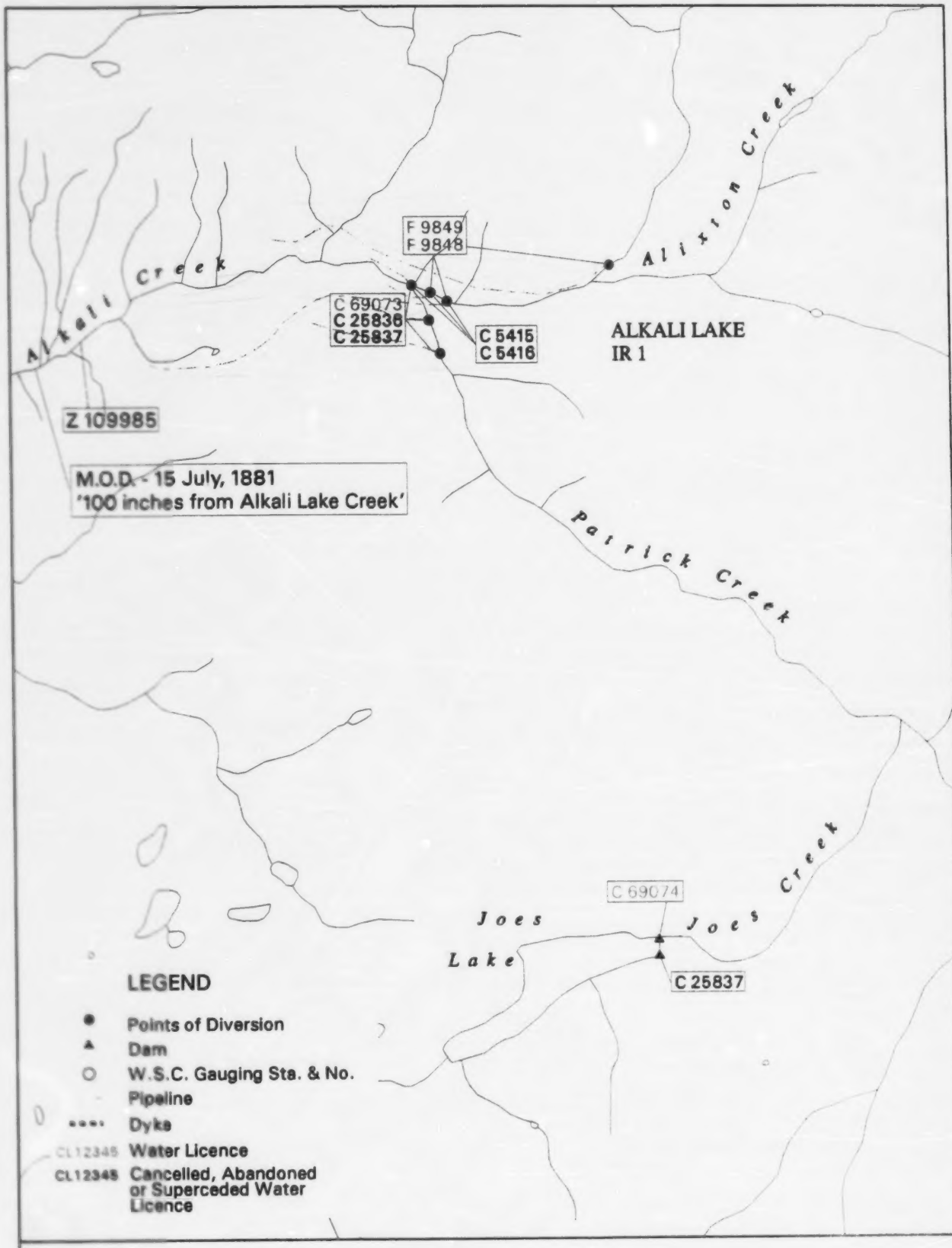
Alkali Lake

Scale 1:250,000

Ministry of Environment, Lands & Parks

Date: April 25, 2000

Environment & Lands Division



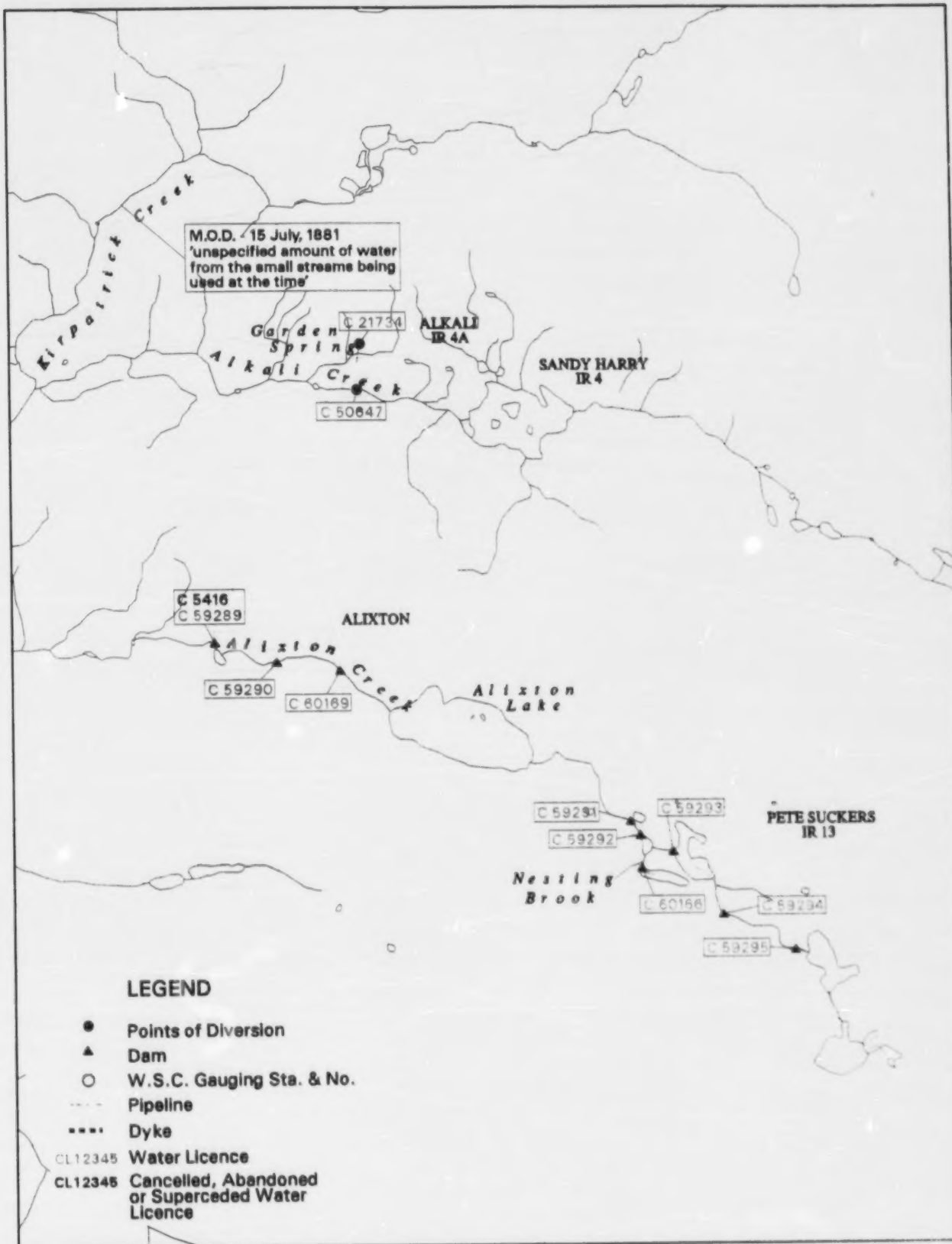
Patrick Creek

Scale 1:30,000

Ministry of Environment, Lands & Parks

Date: April 25, 2000

Environment & Lands Division



Alixton Lake

Scale 1:50,000

Ministry of Environment, Lands & Parks

Date: April 25, 2000

Environment & Lands Division